

**GENERAL CATALOGUE**  
**OF THE**  
**HOMOPTERA**

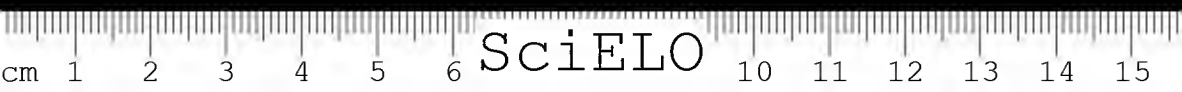
**Fascicle VII**  
**CERCOPOIDEA**  
**Part 4**  
**CLASTOPTERIDAE**

**BY**  
**Z. P. METCALF, D.Sc.**  
*State College of the University of North Carolina*

Contribution from the Entomology Department, North Carolina  
Agricultural Experiment Station, Raleigh, N. C., U. S. A. Published  
by North Carolina State College, Raleigh, N. C. with the approval of  
the Director of Research, as Paper No. ~~1024~~  
1331

*Printed by a Grant in Aid from the National Science Foundation*

**1962**





**GENERAL CATALOGUE**  
**OF THE**  
**HOMOPTERA**

**Fascicle VII**  
**CERCOPOIDEA**  
**Part 4**  
**CLASTOPTERIDAE**

**BY**

**Z. P. METCALF, D.Sc.**

*State College of the University of North Carolina*

Contribution from the Entomology Department, North Carolina  
Agricultural Experiment Station, Raleigh, N. C., U. S. A. Published  
by North Carolina State College, Raleigh, N. C. with the approval of  
the Director of Research, as Paper No. ~~1324~~  
1331

*Printed by a Grant in Aid from the National Science Foundation*

**1962**

1055



LIBRARY OF CONGRESS  
CATALOG CARD NUMBER 28-7846

595.753  
G326  
f.7  
p.4

**DEDALUS - Acervo - MZ**

595.753  
G326  
f.7  
pt.4

General catalogue of the homoptera.



12400005605

*Printed in the United States of America by*  
WAVERLY PRESS, INC., BALTIMORE, MD



## INTRODUCTION

A catalogue of animals should serve practically all fields of biology. It should be, therefore, as complete a listing of all the records of families, sub-families, tribes, genera, species, and varieties as it is possible for the author to assemble. The nature of the reference is of the greatest importance. A student of zoogeography should be able to find a complete list of the regions inhabited by the various species. The student of ecology should be able to find references to all that is known about the life history, food plants, and other pertinent data. The student of economic entomology should be able to check the histories of those species that are suspected of being injurious to plants. The plant disease specialist should be able to check the current nomenclature of the species which are disease vectors or suspected of being disease vectors. Those research workers studying morphology, physiology, or genetics should be able to trace the development in the field of their special interest. And lastly, the student of taxonomy should be relieved of the burden of searching for past recordings, and the journals which publish taxonomic papers should not have to pay the cost of publishing the past records and duplicating the synonymy that is already well known. Thus it would be necessary only to record synonymy which has been developed since the publication of the catalogue.

In this as in other catalogues of the present series the family is divided into genera which are arranged in as nearly a phylogenetic order as our present knowledge will permit. The species are arranged under the genera in alphabetic sequence.

The notes which follow the references are generally self-explanatory, but three points may be mentioned here. Such notations as "[described]," "[notes]," "[key]," and the like are intended to be suggestive rather than precise or exclusive. The notation "[error]" means not accepted in this catalogue. Usually the latest published synonymy is accepted, but not always. The notation "[comparative note]" is used to designate those references, often of the greatest taxonomic significance, in which two generic, specific, or other groups are compared. All references have been checked against the original save those marked with an asterisk (\*), which have been accepted from reliable sources. Every effort has been made to have the references full and complete and to give an indication of the character of the data contained. Where the writer knows that reprints have been issued with different pagination, this is indicated in parentheses following the page numbers of the original. In a few cases, where the matter has been reprinted under a different title with different pagination, separate references are given. Where authentic editions have been republished these have been indicated by separate references. Genera established without included



species have been dated from their original description, with their type fixation dated at the earliest time the action can logically be interpreted to have occurred. Original spellings have been retained in all cases, except obvious typographical errors. Typographical errors are indicated by placing "[sic]" after the misspelled name. This is not for the purpose of calling attention to the mistakes authors have made but to make certain that students following the catalogue have a clear understanding of what is implied.

The determination of obvious typographical errors is not always easy. These errors range all the way from clearly apparent transpositions of letters, to misspelled names of individuals, geographical names, and many others of like character. However, so many generic names have been formed by the transposition and substitution of letters that one is often at a loss to know which names are misspelled and which are not. For example, *Neokolla* and *Kconolla*, or *Alebra*, *Elabra*, and *Eualebra*.

All variations in spelling, save those which refer to endings only, are appropriately cross-referred. The species have also been listed under every known generic combination so that it is possible to find any species without recourse to the index, which will be published at the completion of the Fascicle.

The writer takes no pride in the authorship of *nomina nova*. He uses them only when he thinks they are necessary. No new names are proposed for species or genera described by living authors without first giving the original author an opportunity to correct primary or secondary homonyms.

A catalogue is not a revision of a group and the location of the genera and species in the present catalogue is merely an attempt to reflect what is believed to be the general consensus of the best authorities at the present time. Doubtful genera and species have been included to call them to the attention of subsequent revisers.

An attempt has been made throughout this catalogue to interpret all references in the light of the period in which they were published. This is not always easy and leads perhaps to erroneous conclusions at times, but it is certainly much sounder from the standpoint of nomenclature than the tendency to evaluate references from previous decades in the light of present day practices and procedures.

In this series we have departed from our previous method of giving latinized names to varieties which in the past have been designated by Arabic letters, Greek letters, numbers, or other designations. All varieties are catalogued, however, under the first designation regardless of its form. Some of these varieties may prove to be valid species with further study and then may be given latinized designations.

Primary homonyms of species have been replaced by *nomina nova*; secondary homonyms have been restored to their original names if the





homonymy has been relieved by moving one or the other or both species to other genera.

All specific endings have been modified to agree with the suggestions made by Blackwelder 1940, *Journal of the Washington Academy of Sciences* **31**: 135-140. There are certain disadvantages inherent in this method, but it seems to the writer that these limitations are outweighed by the advantages of this system. We are confronted by so many coined words that can have no sex that it seems better to use this system and disregard apparent violations of Latin and Greek grammar. Where the sex of generic names can be determined the appropriate adjustments are made in the specific names.

In a detailed catalogue such as this it is practically impossible to eliminate all errors. We will appreciate it very much if our attention is directed to all such mistakes. It is especially easy to overlook local lists when published in the proceedings of local natural history societies, references to species of economic importance when published in scientific agricultural journals, references to vectors of plant diseases when published in phytopathological journals, and many other references of a similar nature. It will be very much appreciated if authors will send us reprints of all articles dealing with the Homoptera. Also it would seem that changes in the nomenclature adopted in this catalogue should not be made in the future without a full explanation.

All literature available to the writer before December 31, 1955, has been included in this catalogue.

The present catalogue of the Family Clastopteridae is the fourth and final part of the Cercopoidea. This was virtually complete at the time of the death of Dr. Z. P. Metcalf on January 5, 1956. It was completed with the aid of Miss Virginia Wade, Research Analyst, N. C. State College, who worked with Dr. Metcalf for seven years, and the technical advice of Dr. David A. Young, N. C. State College, and Dr. W. H. Anderson, Insect Identification and Parasite Introduction Laboratories, U. S. Department of Agriculture, Beltsville, Maryland. The higher categories utilized in this classification are those decided upon by Dr. Metcalf during his work on the catalogue.

In this part of the catalogue a method of literature citation has been adopted which differs from that used in the catalogues of the fulgoroid families. This change has been instituted to save time, space, and publication costs. It is believed that the revised method of literature citation will cause no great inconvenience to the reader. Dr. Metcalf himself advocated it under certain conditions in the past, and it is felt that the use of abbreviated literature citations in his catalogues would have met with his approval.



Under the abbreviated system used here the literature references are cited by author, year, and key letter, e.g. Fabricius 1802a. The full reference can be obtained by consulting the *Bibliography of the Cercopoidea* in which authors are arranged alphabetically and their works chronologically under the author's name. This method of citation eliminates the necessity for a complete literature citation in the catalogue proper.

The Family Clastopteridae consists of two genera and eighty-five species. This family may be characterized as follows: Eyes with horizontal diameter greater than vertical diameter; pronotum with anterior margin strongly convex or subangulate, anterolateral margins usually short; scutellum flat, not spinous, longer than pronotum; forewing with clavus obtuse or obliquely truncate at apex.

The following classification has been adopted for this family:

	Page
Family Clastopteridae.....	1
Tribe Ibaini.....	1
Tribe Clastopterini.....	2

With the exception of two species which have been reported from the Malaysian Region, the species in this family are confined to North and South America. Thirty-two have been reported from the Neotropical Region, twenty-seven from the Nearctic Region, twenty from the Caribbean Region, and four from two or more regions.

The known geographic distribution of each species is indicated by superscript figures at the end of the lines, which correspond to geographic regions designated by the same superscript figures. In general the distribution is as given by the author of the reference, using the country as the smallest unit except in the larger countries where states and provinces are used as the smallest units. In the larger island groups the individual islands are indicated wherever possible in view of the importance of island endemism.

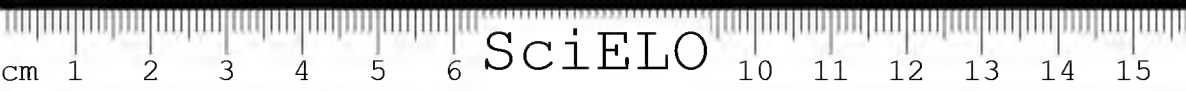
Z. P. METCALF

AND

D. A. YOUNG

*Raleigh, North Carolina*

June 1961





## Family CLASTOPTERIDAE Stål

- Clastopteris* Stål 1858a: 234 [Key]  
 Clastopteridae Dohrn 1859a: 69 [Listed]  
 Fuss 1862a: 17 *Family* [Listed]  
*Clastopterinae* Johnson and Ledig 1918a: 7 [List of species from California]  
 Clastopteridae Baker 1927a: 530 *Family* [Key]  
*Clastopterinae* Haupt 1929e: 221 *Subfamily* [Key]  
 Clastopteridae Kato 1931c: 60 [Listed]  
 Brues and Melander 1932a: 111 [Key]  
 Kato 1932a: 139 *Family* [Listed]  
 Metcalf and Horton 1934a: 371 *Family* [Key]  
*Clastopterinae* Lallemand 1939b: 53 *Subfamily* [Listed]  
 Clastopteridae Metcalf 1939a: 247 [Listed]  
*Clastopteridae* Evans 1940b: 70 *Family* [Notes]  
 [sic]  
 Clastopteridae da Costa Lima 1942a: 71 [Key] :77 [Notes]  
 Metcalf 1944b: 152 [Bibliography]  
*Clastopterinae* Maa 1947a: 2 [Key]  
 Clastopteridae Metcalf 1947a: 168 [Zoogeography]  
*Clastopterinae* Lallemand 1949a: 8 *Subfamily* [Notes]  
 Clastopteridae Metcalf 1951a: 10 *Family* [Phylogeny]  
 Pesson 1951a: 1502 *Family* [Listed]  
*Clastopterinae* Pesson 1951a: 1502 *Subfamily* [Listed]  
 Clastopteridae Obenberger 1952b: 24 [Listed]  
 Franco 1953a: 6 [Key]  
 Brues, Melander, and Carpenter 1954a: 143 [Notes]  
 :144 [Key] :145 [Comparative note]

## Tribe IBAINI Schmidt

- Ibaini Schmidt 1920a: 49 *Tribe* [Listed]  
 Baker 1927a: 530 [Listed]  
 Jacobi 1928a: 46 *Tribe* [Listed]

## Genus *Iba* Schmidt

ORTHOTYPE *Iba cuneata* [n. sp.] Schmidt 1920a: 49

- Iba* Schmidt 1920a: 49 [gen. n.]  
 Baker 1927a: 529 [Notes]  
 Jacobi 1928a: 46 [Notes]



Schulze, Kükenthal, and Heider 1930b: 1655 [Catalogued]

Neave 1939b: 752 [Catalogued]

**bakeri** Lallemand

*Clastoptera bakeri* Lallemand 1922a: 273 [n. sp.]<sup>1</sup>

[*Iba bakeri*] Jacobi 1928a: 46 Equals *Clastoptera bakeri* Lall.

LOCALITIES: <sup>1</sup> Luzon.

**cuneata** Schmidt

*Iba cuneata* Schmidt 1920a: 50; 2 figs. [n. sp., illustrated]<sup>1</sup> :49 [Listed]

LOCALITIES: <sup>1</sup> Philippine Islands.

**Tribe CLASTOPTERINI** Jacobi

**Clastopterini**

Jacobi 1928a: 46 *Tribe* [Listed]

Lallemand 1938a: 147 *Tribe* [Listed]

**Genus Clastoptera** Germar

PSEUDOTYPE *Clastoptera obtusa* Lallemand 1912a: 22

LOGOTYPE [*Clastoptera*] *achatina* Van Duzee 1916a: 58

LOGOTYPE [*Clastoptera*] *achatina* Van Duzee 1917b: 517

TYPE C[*lastoptera*] *achatina* Osborn 1935a: 128

**Clastoptera**

Germar 1839a: 187 [gen. n.]

Agassiz, Erichson, and Germar 1842a: 5 [Listed]

Agassiz 1848a: 255 [Listed]

**Castoptera** [sic]

Spinola 1850a: 56 [Key]

**Clastoptera**

Fitch 1851a: 53 [New species from New York]

Walker 1851b: 842 [Catalogued, catalogue of species]

Stål 1854b: 253 [New species from various regions]

Fairmaire and Signoret 1858a: 331 [Comparative note]  
:333 [Catalogued]

Fairmaire and Signoret 1858b: 327 [Comparative note]  
:329 [Catalogued]

Walker 1858b: 259 [Catalogue of species]

Dohrn 1859a: 69 [List of species]

Stål 1859b: 286 [Taxonomy]

Signoret 1862b: 593 [Listed]

Stål 1862c: 480 [Listed]

Stål 1862d: 593 [Listed]

Stål 1862e: 16 [New species from Rio de Janeiro]

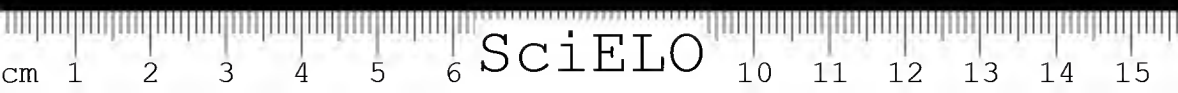
Gerstaecker 1863b: 302 [Listed]

Stål 1863a: 100 [Listed]

- Uhler 1864a: 160 [Two new species from Cuba]  
Stål 1866a: 69 [Key]  
Rathvon 1869a: 550 [A list of species from Pennsylvania]  
Provaneher 1872b: 351 [A new species from Canada]  
Uhler 1876a: 348 [A new species from Colorado and Utah]  
Uhler 1877a: 458 [Listed]  
Glover 1878a: Pl. 1 [Listed]  
Seudder 1882b: 70 [Listed]  
Brodie and White 1883a: 58 [A list of species from Canada]  
Uhler 1884a: 244 [Notes]  
Comstock 1888a: 177 [Notes] :180 [Comparative note]  
Lintner 1888a: 120 [Listed]  
Uhler 1888c: 244 [Notes]  
Provaneher 1889a: 252 [Key] :259 [Described, key to species from Canada]  
Packard 1890a: 637 [Economics]  
*Clostoptera* [sic] Smith 1890a: 443 [Listed]  
Southwick 1892b: 318 [Listed]  
Clastoptera Fitch 1893a: 393 (53) [Reprinted, new species from New York]  
Van Duzee 1894c: 193 [A list of species from New York]  
Goding 1895b: 485 [Key] :498 [Catalogue of species from North America]  
Ball 1896a: 182 [Notes] :183 [Described, catalogued, review of species]  
Fowler 1897b: 191 [Key] :198 [Notes, catalogued]  
Ball 1899a: 205, 206 [Synonymy] :209 [Key] :218 [Comparative notes]  
Baker 1900b: 463–464 [Notes on synonymy]  
Lugger 1900a: 120 [Notes]  
Smith 1900a: 90 [Listed]  
Henshaw 1903b: 226 [List of species described by Uhler]  
Kirkaldy 1903c: 214 [Listed]  
Woodworth 1903a: 43 [Notes]  
Wirtner 1904a: 216 [Listed]  
Meliehar 1905a: 292 [Comparative note]  
Ainslie 1906a: 44 [Commensals]  
Ball 1907a: 78 [Zoogeography]  
Cockerell 1908a: 37, 38 [Phylogeny]

- Smith 1910a: 99 [Listed]  
 Jacobi 1912a: 31 [Comparative note]  
 Lallemand 1912a: 18 [Key] :22 [Described, catalogued]  
 Van Duzee 1912a: 508 [Notes]  
 Boring 1913a: 137 [Spermatogenesis]  
 Ball 1915b: 365 [Ecology]  
 Boring and Fogler 1915a: 314 [Comparative note]  
 Brues and Melander 1915a: 74 [Listed]  
 Oshanin 1916a: 74 [Bibliography]  
 Van Duzee 1916a: 58 [List of species from the Nearctic Region]  
 Delétang 1917a: 264 [Key, catalogued, notes]  
 Metcalf 1917a: 28 [Listed] :29, 30; Pl. II, Figs. 21, 22 [Venation, illustrated] :32; Pl. I, Figs. 9, 10 [Tracheation, illustrated]  
 Van Duzee 1917b: 517 [Catalogued]  
 Ball 1919d: 147, 148, 149 [Comparative notes]  
 Britton 1920a: 56 [Listed]  
 McAtee 1920b: 172 [Key] :173 [Notes, key to species]  
 Moore 1920a: 23 [Listed]  
 Williams 1921a: 48, 152 [Economics]  
 Delétang 1923a: 584 [Key]  
*Clastopera* [sic] De Long 1923a: 81 [Comparative note]  
 Clastoptera Goding 1923a: 2 [Key, notes]  
 Osborn 1923c: 46 [Comparative note]  
 Stearns 1923a: 206 [Listed] :211 [Key] :221 [Comparative note] :230 [Described, key to species]  
 Comstock 1924a: 403, 408 [Notes]  
 Handlirsch 1925a: 1114 [Listed]  
 Sherborn 1925a: 1341 [Catalogued]  
 Doering 1926a: 85 [A new species from Kansas]  
 Baker 1927a: 529 [Notes] :544 [Comparative notes]  
 Ball 1927a: 103 [Notes, key to species]  
 Johnson 1927a: 38 [List of species from Maine]  
 Schulze, Kükenthal, and Heider 1927b: 715 [Catalogued]  
 Weiss 1927a: 21 [Ecology]  
 Jacobi 1928a: 46 [Comparative note]  
 Leonard 1928a: 146 [List of species from New York]  
 Osborn 1928b: 232 [Comparative note]  
 Waterston 1928a: 251 [Parasites]  
 Box 1929a: 12 [Listed]

- Doering 1929a: 17 [Described, key to species from North America]  
Knowlton 1929b: 45 [List of species from Utah]  
Myers 1929e: 310 [Listed]  
Van Duzee 1929e: 62 [Notes]  
Doering 1930a: 53 [Listed] :57 [Key] :63 [Described]  
Doering 1930b: 81 [Key to species and varieties] :86 [Catalogued] Equals *Aphrophora* Harr. [in part.] Equals *Cereopsis* Say [in part.] Equals *Ptyelus* Walk. [in part.] :101 [Morphology of genitalia]  
Johnson 1930a: 33 [List of species from Massachusetts]  
Myers 1930a: 341 [Parasites]  
Pickles 1930a: 589 [Comparative note]  
Bruce and Melander 1932a: 111; Fig. 164 [Illustrated]  
McAtee 1932a: 46 [Predators]  
Metcalf and Flint 1932a: 453 [Symbiosis]  
Ball 1933c: 226 [Comparative note]  
Myers and Vesey-Fitzgerald 1933a: 159 [Parasites]  
Pickles 1934b: 278 [Economics]  
Prebble 1934a: 25 [Predators]  
Osborn 1935a: 128 [Catalogued]  
Wardle 1936a: 187 [Listed]  
Franklin 1937a: 38 [Economics]  
Brimley 1938a: 87 [List of species from North Carolina]  
Britton 1938c: 27 [Listed]  
Procter 1938a: 84 [List of species from Mount Desert Island]  
Neave 1939a: 754 [Catalogued]  
Clausen 1940a: 414 [Parasites]  
Comstock 1940a: 403, 408 [Notes]  
Doering 1941a: 215 [Notes]  
Doering 1941c: 129 [Key to species] :134 [Comparative note]  
Franklin 1941a: 45 [Economics]  
da Costa Lima 1942a: 77 [Notes]  
Essig 1942a: 316 [Listed]  
Wray and Brimley 1943a: 129 [Ecology]  
McGill 1944a: 13 [Morphology of digestive system]  
Metcalf 1944b: 137, 152 [Bibliography]  
Metcalf and Bruner 1944a: 109 [Key] :122 [Notes, key to species from Cuba]  
Thompson 1944a: 34 [Parasites]



- Froeschner 1946a: 31 [Key, key to species]  
 Procter 1946a: 84 [List of species from Mount Desert Island]  
 Metcalf 1947a: 168 [Zoogeography]  
 De Long and Severin 1950a: 339 [Listed]  
 Lallemand 1951a: 84 [Comparative note]  
 Brues, Melander, and Carpenter 1954a: 144; Fig. 201 [Illustrated]

- Fowler (var.) [*funesta*]. See *Clastoptera funesta* var. —Fowler.  
*a* Ball (var.) [*delicata lineata*]. See *Clastoptera delicata* var. *delicata* Uhler.  
*a* Ball (var.) [*obtusa lineatocollis*]. See *Clastoptera lineatocollis* Stål.  
*a* Ball (var.) [*obtusa obtusa*]. See *Clastoptera obtusa* var. *obtusa* Say.  
*a* Ball (var.) [*obtusa osborni*]. See *Clastoptera osborni* Gillette and Baker.  
*a* Ball (var.) [*proteus flava*]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*a* Ball (var.) [*proteus nigra*]. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*a* Ball (var.) [*proteus vittata*]. See *Clastoptera saintcyri* Provancher.  
*a* Ball (var.) [*xanthocephala*]. See *Clastoptera xanthocephala* var. *xanthocephala* Germar.  
*a* Fitch (var.) [*pini*]. See *Clastoptera testacea* Fitch.  
*a* Fitch (var.) [*proteus cincticollis*]. See *Clastoptera proteus* Fitch.  
*a* Fitch (var.) [*proteus flavicollis*]. See *Clastoptera proteus* Fitch.  
*a* Fitch (var.) [*proteus maculicollis*]. See *Clastoptera proteus* Fitch.  
*a* Fitch (var.) [*proteus nigricollis*]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*a* Fitch (var.) [*testacea*]. See *Clastoptera testacea* Fitch.

#### **achatina** Germar

- C[lastoptera] achatina* Germar 1839a: 187 [n. sp.]<sup>1</sup>  
*C[lastoptera] achatina* Fitch 1851a: 53 [Listed]  
*Clastoptera achatina* Walker 1852a: 1160 [Catalogued] Equals *Tettigonia obtusa* Say (?) [error]  
*[Clastoptera] achatina* Dohrn 1859a: 69 [Listed]<sup>1</sup>  
*C[lastoptera] achatina* Smith 1890a: 443 [Listed]  
*C[lastoptera] achatina* Southwick 1892b: 318 [Listed]<sup>2</sup>  
*C[lastoptera] achatina* Fitch 1893a: 393 (53) [Listed]  
*C[lastoptera] achatina* Van Duzee 1894c: 193 [Listed]<sup>3</sup>  
*Clastoptera achatina* Goding 1895b: 499 To *C[lastoptera] obtusa* Say [error]  
*Clastoptera achatina* Ball 1896a: 188 To *Clastoptera obtusa* Say [error]  
 :190 [Described, catalogued] To *Clastoptera obtusa obtusa* var. *c* [error]  
*Clastoptera achatina* Fowler 1898a: 202 To *Clastoptera obtusa* [error]  
*[Clastoptera obtusa] achatina* Smith 1900a: 90 [Listed]  
*C[lastoptera] obtusa achatina* Wirtner 1904a: 217 [Listed]<sup>1</sup>



- [*Clastoptera obtusa*] *achatina* Smith 1910a: 99 [Listed]<sup>2</sup>  
 [*Clastoptera obtusa*] *achatina* Lallemand 1912a: 24 [Catalogued] Equals  
*Clastoptera achatina* Germ. Equals [*Clastoptera obtusa*] var. *c* Ball  
 [error]  
 [*Clastoptera*] *achatina* Van Duzee 1912a: 508 [Notes]  
*Clastoptera obtusa achatina* Van Duzee 1914a: 48 [Listed]<sup>4</sup>  
 [*Clastoptera obtusa*] *achatina* Van Duzee 1916a: 58 [Listed]  
 [*Clastoptera obtusa*] *achatina* Van Duzee 1917b: 518 [Catalogued]<sup>1, 2, 3,</sup>  
 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19  
 [*Clastoptera*] *obtusa achatina* Britton 1920a: 56 [Listed]<sup>20</sup>  
 [*Clastoptera obtusa*] *achatina* McAtee 1920b: 175 [Key] :176 [Listed]<sup>9,</sup>  
 10, 11  
 [*Clastoptera obtusa*] *achatina* Moore 1920a: 24 [Listed]  
*Clastoptera achatina* Sherborn 1922a: 33 [Catalogued]  
 [*Clastoptera obtusa*] *achatina* Garman 1923a: 156 [Notes]<sup>20</sup>  
*Clastoptera achatina* Stearns 1923a: 235 To [*Clastoptera*] *obtusa* Say  
 [error] :236 [Described]<sup>1, 14, 20, 21, 22</sup>  
 [*Clastoptera obtusa*] *achatina* Essig 1926a: 203 [Listed]  
*Clastoptera obtusa achatina* Ball 1927a: 111 [Described]<sup>1, 3, 8, 23, 24</sup>  
*Clastoptera achatina* Ball 1927b: 224 Equals *Clastoptera dimidiata* Fowl.  
 [error]  
 [*Clastoptera*] *obtusa achatina* Leonard 1928a: 147 [Listed]<sup>3, 25</sup>  
 [*Clastoptera*] *achatina* Doering 1929a: 19 [Key] :69; Pl. II; Pl. III, Fig.  
 7; Pl. VI, Fig. 6; Pl. X, Figs. 2, 10; Pl. XIV, Figs. 2, 12; Pl. XVIII,  
 Fig. 2; Pl. XXII, Figs. 4, 4a; Pl. XXIV; Pl. XXVI, Figs. 2, 2a, 2b  
 [Described, illustrated, catalogued]<sup>1, 2, 3, 8, 9, 10, 12, 13, 14, 15, 20, 21, 22, 23,</sup>  
<sup>26</sup> Equals *Clastoptera obtusa achatina* Van D. Equals *Clastoptera*  
*obtusa* var. *c* Ball [error] :70, 71 [Comparative notes]  
*Clastoptera achatina* Doering 1930b: 85 [Key]  
*Clastoptera achatina* Brimley 1938a: 87 [Listed]<sup>13</sup>  
 [*Clastoptera*] *achatina* Doering 1941e: 133 [Key]  
*Clastoptera achatina* Doering 1942a: 67, 71, 72 [Food plants]  
*Clastoptera achatina* Doering 1942b: 76, 90 [Food plants]  
 [*Clastoptera*] *achatina* Froesehner 1946a: 31 [Key] :34 [Notes]<sup>23</sup>  
*Clastoptera achatina* Chandler 1951a: 18–22 [Control]<sup>27</sup>  
*Clastoptera achatina* Chandler 1952a: 890 [Economics]<sup>27</sup>  
*Clastoptera achatina* Chandler 1953a: 450–454; Figs. 1–4 [Economics,  
 illustrated]<sup>27</sup>  
*Clastoptera achatina* Deay, et al. 1955a: 33 [Listed]  
 LOCALITIES: <sup>1</sup> Pennsylvania. <sup>2</sup> New Jersey. <sup>3</sup> New York. <sup>4</sup> California. <sup>5</sup> Quebec.  
<sup>6</sup> Ontario. <sup>7</sup> New Hampshire. <sup>8</sup> Massachusetts. <sup>9</sup> Maryland. <sup>10</sup> District of  
 Columbia. <sup>11</sup> Virginia. <sup>12</sup> West Virginia. <sup>13</sup> North Carolina. <sup>14</sup> Ohio. <sup>15</sup> Iowa.  
<sup>16</sup> Kansas. <sup>17</sup> Colorado. <sup>18</sup> Texas. <sup>19</sup> New Mexico. <sup>20</sup> Connecticut. <sup>21</sup> Indiana.  
<sup>22</sup> Wisconsin. <sup>23</sup> Missouri. <sup>24</sup> Mexico. <sup>25</sup> Long Island. <sup>26</sup> Florida. <sup>27</sup> Illinois.

**aequinoctalis** Lallemand

*Clastoptera aequinoctalis* Lallemand 1938a: 147 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Ecuador.

*anceps* McAtee (var.). See *Clastoptera saintcyri* var. *anceps* McAtee.

**antica** Fowler

*Clastoptera antica* Fowler 1898a: 201; Pl. 12, Fig. 19 [n. sp., illustrated]<sup>1</sup>

*C[lastoptera] antica* Lallemand 1912a: 23 [Catalogued]<sup>2</sup>

*Clastoptera obtusa antica* Ball 1927b: 224 [Notes] Equals *C[lastoptera] antica* Fowl.

LOCALITIES: <sup>1</sup> Panama. <sup>2</sup> Mexico.

**arborina** Ball

*Clastoptera obtusa arborina* Ball 1927a: 110 [n. var., food plants]<sup>1</sup>

*C[lastoptera] arborina* Doering 1929a: 19 [Key] :94; Pl. II; Pl. III, Fig. 12; Pl. VII, Fig. 1; Pl. XI, Figs. 6, 8; Pl. XV, Figs. 2, 12; Pl. XIX, Fig. 3; Pl. XXIV; Pl. XXVII, Figs. 1, 12 [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 5, 6</sup> Equals *Clastoptera obtusa arborina* Ball :95, 96 [Comparative notes]

*Clastoptera arborina* Doering 1930b: 84 [Key] :87 [Distribution, food plants]<sup>7</sup>

[*Clastoptera*] *arborina* Doering 1941e: 132 [Key]

*Clastoptera arborina* Doering 1942a: 72 [Food plants]

*Clastoptera arborina* Doering 1942b: 80, 90 [Food plants]

[*Clastoptera*] *arborina* Froesehner 1946a: 31 [Key] :34 [Notes, food plants]<sup>8</sup>

*Clastoptera arborina* Dowdy 1951a: 50 [Ecology]<sup>8</sup>

LOCALITIES: <sup>1</sup> Iowa. <sup>2</sup> New Mexico. <sup>3</sup> Arizona. <sup>4</sup> Colorado. <sup>5</sup> Utah. <sup>6</sup> South Dakota. <sup>7</sup> Western United States. <sup>8</sup> Missouri.

**argentina** Lallemand

*Clastoptera argentina* Lallemand 1940a: 186 [n. sp.]<sup>1, 2, 3</sup>

LOCALITIES: <sup>1</sup> Argentina. <sup>2</sup> Buenos Aires. <sup>3</sup> Martín Garefa Island.

**arizonana** Doering

*Clastoptera arizonana* Doering 1929a: 73; Pl. II; Pl. III, Fig. 10; Pl. VI, Fig. 3; Pl. X, Figs. 5, 13; Pl. XIV, Figs. 5, 13; Pl. XVIII, Fig. 3; Pl. XXII, Figs. 2, 2a; Pl. XXIV; Pl. XXVI, 4, 4a, 4b [n. sp., illustrated] :18 [Key] :68, 69, 72, 73 [Comparative notes]

*Clastoptera arizonana* Doering 1930b: 81 [Key]

[*Clastoptera*] *arizonana* Doering 1941e: 130 [Key]

*Clastoptera arizonana* Doering 1942a: 72 [Food plants]

*arkansasensis* Van Duzee [nom. nud.]. See *Clastoptera xanthocephala* var. *unicolor* Fowler.

*atra*. Typographical error for *Clastoptera nigra* Germar.

- b* Ball (var.) [*delicata lincata*]. See *Clastoptera delicata* var. *delicata* Uhler.  
*b* Ball (var.) [*obtusa lineatocollis*]. See *Clastoptera lineatocollis* Stål.  
*b* Ball (var.) [*obtusa obtusa*]. See *Clastoptera obtusa* var. *obtusa* Say.  
*b* Ball (var.) [*obtusa osborni*]. See *Clastoptera testacea* Fitch.  
*b* Ball (var.) [*proteus flava*]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*b* Ball (var.) [*proteus nigra*]. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*b* Ball (var.) [*proteus vittata*]. See *Clastoptera saintcyri* Provancher.  
*b* Ball (var.) [*xanthocephala*]. See *Clastoptera xanthocephala* var. *unicolor* Fowler.  
*b* Fitch (var.) [*ipini*]. See *Clastoptera testacea* Fitch.  
*b* Fitch (var.) [*proteus cincticollis*]. See *Clastoptera proteus* Fitch.  
*b* Fitch (var.) [*proteus flavicollis*]. See *Clastoptera proteus* Fitch.  
*b* Fitch (var.) [*proteus maculicollis*]. See *Clastoptera proteus* Fitch.  
*b* Fitch (var.) [*proteus nigricollis*]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*b* Fitch (var.) [*testacea*]. See *Clastoptera testacea* Fitch.  
*bakeri* Lallemand. See *Iba bakeri* Lallemand.

### **biguttata** Meliehar

*Clastoptera biguttata* Meliehar 1915e: 4 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Paraguay.

### **bimaculata** Baker

*Clastoptera bimaculata* Baker 1900b: 464 [n. sp.]<sup>1</sup>

*Clastoptera bimaculata* Fowler 1909a: 322 [Catalogued]<sup>1, 2</sup>

*C[lastoptera] bimaculata* Lallemand 1912a: 23 [Catalogued]<sup>2</sup>

[*Clastoptera xanthocephala*] *bimaculata* Ball 1927b: 225 [Notes] Equals

*C[lastoptera] bimaculata* Bak.

LOCALITIES: <sup>1</sup> Vera Cruz. <sup>2</sup> Mexico.

### **binotata** Ball

*Clastoptera binotata* Gillette and Baker 1895a: 70 [nom. nud., listed]<sup>1</sup>

*Clastoptera binotata* Ball 1896a: 184 (nom. nud.) To *Clastoptera delicata* Uhl. [error]

*Clastoptera delicata binotata* Ball 1896a: 185 [n. subsp.] :184 [Key]

*Clastoptera binotata* Baker 1900b: 463 [Notes]<sup>2</sup>

*C[lastoptera] binotata* Lallemand 1912a: 23 [Catalogued]<sup>3</sup> Equals

*Clastoptera delieata* Ball (nec Uhl.) [in part.] Equals [*Clastoptera*

*delieata*] *binotata* Ball Equals [*Clastoptera delieata*] *lineata* Ball [error]

Equals [*Clastoptera delicata lineata*] var. *a* Ball [error] Equals [*Clas-*

*toptera delieata lineata*] var. *b* Ball [error]

[*Clastoptera lineatocollis*] *binotata* Van Duzee 1916a: 58 [Listed]

*Clastoptera lineatocollis binotata* Van Duzee 1917a: 286 [Listed]<sup>2</sup>

[*Clastoptera lineatocollis*] *binotata* Van Duzee 1917b: 520 [Catalogued]

*Clastoptera binotata* Johnson and Ledig 1918a: 7 [Listed]<sup>2</sup>

*Clastoptera binotata* Jacobi 1921a: 4 [Notes]

*Clastoptera binotata* Stearns 1923a: 232 [nom. nud.] To *C[lastoptera] delicata* Uhl. [error]

*C[lastoptera] delicata binotata* Stearns 1923a: 233 [Described]<sup>1, 2, 4, 5</sup>

*Clastoptera lineatocollis binotata* Van Duzee 1923a: 168 [Listed]<sup>6, 7</sup>

*Clastoptera lineatocollis binotata* Downes 1924a: 31 [Ecology]<sup>8</sup>

[*Clastoptera*] *binotata* Ball 1927a: 105 [Comparative note]

*Clastoptera lineatocollis binotata* Ball 1927a: 106 [Described]<sup>1, 2</sup>

*C[lastoptera] binotata* Doering 1929a: 18 [Key] :23, 31, 32, 49, 54, 63, 76, 77 [Comparative notes] :30; Pl. I, Fig. 1; Pl. III, Fig. 2; Pl. IV, Fig. 5; Pl. VIII, Figs. 1, 7; Pl. XII, Figs. 5; 11; Pl. XVI, Fig. 4; Pl. XX, Figs. 4, 4a [Described, illustrated, catalogued]<sup>1, 2</sup> Equals

*Clastoptera delicata binotata* Ball Equals *Clastoptera lineatocollis binotata* Ball

*Clastoptera delicata binotata* Doering 1929a: 24 To *Clastoptera delicata* Uhl. [error]

*Clastoptera binotata* Doering 1930b: 81 [Key] :87 [Food plants]

[*Clastoptera*] *binotata* Doering 1941c: 130 [Key]

*Clastoptera binotata* Doering 1942a: 69, 72 [Food plants]

*Clastoptera binotata* Doering 1942b: 83 [Food plants]

LOCALITIES: <sup>1</sup> Colorado. <sup>2</sup> California. <sup>3</sup> North America. <sup>4</sup> Utah. <sup>5</sup> Arizona. <sup>6</sup> Ángel de la Guarda Island. <sup>7</sup> Baja California. <sup>8</sup> British Columbia.

*borealis* Ball (var.). See *Clastoptera obtusa* var. *borealis* Ball.

### **brachialis** Stål

*C[lastoptera] brachialis* Stål 1862e: 17 [n. sp.]<sup>1</sup>

*C[lastoptera] brachialis* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*C[lastoptera] obtusa brachialis* Ball 1927b: 223 [Notes] Equals *C[lastoptera] brachialis* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro.

### **brevis** Walker

*Lepyronia brevis* Walker 1851b: 727 [n. sp.]<sup>1</sup>

*Lepyronia* (?) *signifera* Walker 1851b: 728 [n. sp.]<sup>2</sup>

[*Lepyronia*] *brevis* Dohrn 1859a: 69 [Listed]<sup>1</sup>

[*Lepyronia*] (?) *signifera* Dohrn 1859a: 69 [Listed]<sup>2</sup>

[*Clastoptera brevis*] Stål 1862b: 494 Equals *Lepyronia* (?) *signifera* Walk. Equals *Lepyronia brevis* Walk.

*C[lastoptera] brevis* Goding 1895b: 501 [Catalogued]<sup>2</sup> Equals *Lepyronia brevis* Walk. Equals *Lepyronia* (?) *signifera* Walk.

*Clastoptera brevis* Ball 1896a: 191 [Listed]<sup>3</sup>

*C[lastoptera] brevis* Lallemand 1912a: 23 [Catalogued]<sup>2</sup> Equals *Lepyronia [brevis]* Walk. Equals *Lepyronia* (?) *signifera* Walk.

*Clastoptera brevis* Osborn 1935a: 128 [Notes]<sup>2</sup> Equals [*Clastoptera*] *signifera* Walk.

*Clastoptera brevis* Wolcott 1936a: 75 [Food plants]<sup>2</sup>

*Clastoptera brevis* Wolcott 1941a: 50 [Food plants]<sup>2</sup>

*Clastoptera brevis* Wolcott 1950a: 104 [Food plants]<sup>2</sup>

LOCALITIES: <sup>1</sup> Columbia. <sup>2</sup> Puerto Rico. <sup>3</sup> North America.

### brunnea Ball

*Clastoptera lineaticollis* [sic] *brunnea* Ball 1919d: 147 [n. var.]<sup>1</sup>

*Clastoptera lineatocollis brunnea* Ball 1927a: 105 [Described, food plants]<sup>1, 2, 3, 4</sup>

[*Clastoptera*] *brunnea* Ball 1927a: 105 [Comparative note]

*Clastoptera brunnea* Doering 1929a: 26; Pl. I, Fig. 5; Pl. III, Fig. 2; Pl. IV, Fig. 3; Pl. VIII, Figs. 4, 9; Pl. XII, Figs. 3, 9; Pl. XVI, Fig. 3; Pl. XX, Figs. 1, 1a; Pl. XXIV; Pl. XXV, Figs. 3, 3a, 3b [Described, illustrated, catalogued]<sup>1, 2, 3, 5, 6, 7</sup>:18 [Key]:22, 23, 49, 54, 63, 76, 77 [Comparative notes]:26 Equals *Clastoptera lineatocollis brunnea* Ball

*Clastoptera brunnea* Doering 1930b: 82 [Key]:87 [Food plants]

[*Clastoptera*] *brunnea* Doering 1941c: 130, 131 [Key]

*Clastoptera brunnea* Doering 1942a: 69, 72 [Food plants]

*Clastoptera brunnea* Doering 1942b: 80 [Food plants]

*Clastoptera brunnea* Fautin 1947a: 273, 306 [Ecology]<sup>2</sup>

*Clastoptera brunnea* Knowlton and Nye 1948a: 821 [Predators]<sup>2</sup>

*Clastoptera brunnea* Hewitt, Frazier, Freitag, and Winkler 1949a: 211 [Disease vector]<sup>6</sup>

*Clastoptera brunnea* Bawden 1950a: 71 [Disease vector]

*Clastoptera brunnea* De Long and Severin 1950a: 339 [Disease vectors]<sup>6</sup>:348; Text figs. 3A–C [Described, illustrated, ecology]<sup>1, 2, 3, 4, 6, 7, 8</sup>  
Equals *Clastoptera lineaticollis* [sic] *brunnea* Ball

*Clastoptera brunnea* Christenson and Smith 1952a: 184 [Disease vector]<sup>9</sup>

*Clastoptera brunnea* Freitag, Frazier, and Flock 1952a: 533–534 [Disease vector]<sup>6</sup>

LOCALITIES: <sup>1</sup> Colorado. <sup>2</sup> Utah. <sup>3</sup> North Dakota. <sup>4</sup> British Columbia. <sup>5</sup> Arizona.

<sup>6</sup> California. <sup>7</sup> Nevada. <sup>8</sup> Oregon. <sup>9</sup> United States.

*bryae* Metcalf and Bruner (var.). See *Clastoptera undulata* var. *bryae* Metcalf and Bruner.

*c* Ball (var.) [*obtusa lineatocollis*]. See *Clastoptera lineatocollis* Stål

*c* Ball (var.) [*obtusa obtusa*]. See *Clastoptera obtusa* var. *tristis* Van Duzee.

*c* Ball (var.) [*obtusa osborni*]. See *Clastoptera testacea* Fitch.

*c* Ball (var.) [*proteus vittata*]. See *Clastoptera sainteyri* Provancher.

*c* Fitch (var.) [*proteus cincticollis*]. See *Clastoptera proteus* Fitch.

*c* Fitch (var.) [*proteus maculicollis*]. See *Clastoptera proteus* Fitch.

*c* Fitch (var.) [*proteus nigricollis*]. See *Clastoptera proteus* var. *nigricollis* Fitch.

*c* Fitch (var.) [*testacea*]. See *Clastoptera testacea* Fitch.

*candens* McAtee (var.). See *Clastoptera proteus* var. *nigricollis* Fitch.



**canyonensia** Doering

*Clastoptera canyonensia* Doering 1929a: 80; Pl. II; Pl. III, Fig. 12; Pl. VI, Fig. 7; Pl. X, Figs. 8, 15; Pl. XIV, Figs. 8, 16; Pl. XVIII, Fig. 7; Pl. XXII, Figs. 8, 8a; Pl. XXIV; Pl. XXVI, Figs. 6, 6a [n. sp., illustrated]<sup>1</sup>:19 [Key]:82 [Comparative notes]

*Clastoptera canyonensia* Doering 1930b: 84 [Key]

[*Clastoptera*] *canyonensia* Doering 1941c: 132 [Key]

*Clastoptera canyonensia* Doering 1942a: 72 [Food plants]

LOCALITIES: <sup>1</sup> Arizona.

**caobilla** Metcalf and Bruner

*Clastoptera caobilla* Metcalf and Bruner 1944a: 123 [n. sp.]<sup>1</sup>:122 [Key]

LOCALITIES: <sup>1</sup> Cuba.

**chiriquensis** Fowler

*Clastoptera chiriquensis* Fowler 1898a: 204; Pl. 12, Fig. 27 [n. sp., illustrated]<sup>1</sup>

*C[lastoptera] chiriquensis* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

[*Clastoptera*] *chiriquensis* Ball 1927b: 224 [Notes]

LOCALITIES: <sup>1</sup> Panama.

**cimicoides** Germar

*C[lastoptera] cimicoides* Germar 1839a: 188 [n. sp.]<sup>1</sup>

*Clastoptera cimicoides* Walker 1851b: 842 [Catalogued]<sup>1</sup>

[*Clastoptera*] *cimicoides* Dohrn 1859a: 69 [Listed]<sup>1</sup>

*C[lastoptera] cimicoides* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*Clastoptera cimicoides* Sherborn 1925a: 1280 [Catalogued]

*C[lastoptera] obtusa cimicoides* Ball 1927b: 222, 223 [Notes]<sup>1</sup> Equals

*C[lastoptera] cimicoides* Germ.

LOCALITIES: <sup>1</sup> Brazil.

*cincticollis* Fitch. See *Clastoptera proteus* Fitch.

*cincticollis* var. *a* Fitch [*proteus*]. See *Clastoptera proteus* Fitch.

*cincticollis* var. *b* Fitch [*proteus*]. See *Clastoptera proteus* Fitch.

*cincticollis* var. *c* Fitch [*proteus*]. See *Clastoptera proteus* Fitch.

*cincticollis* var. *d* Fitch [*proteus*]. See *Clastoptera proteus* Fitch.

**compta** Fowler

*Clastoptera compta* Fowler 1897b: 200; Pl. 12, Fig. 17 [n. sp., illustrated]<sup>1</sup>

*Clastoptera compta* Osborn 1909a: 460 [Listed]<sup>2</sup>

*C[lastoptera] compta* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*Clastoptera compta* Herrera 1923a: 114 [Listed]<sup>3</sup>

*Clastoptera xanthocephala compta* Ball 1927b: 224, 225 [Notes] Equals

*Clastoptera compta* Fowl.

LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Guatemala. <sup>3</sup> Vera Cruz.



**croceiceps** Lallemand*Clastoptera croceiceps* Lallemand 1939b: 53 [n. sp.]<sup>1</sup>LOCALITIES: <sup>1</sup> Ecuador.**cuba** Metcalf and Bruner*Clastoptera euba* Metcalf and Bruner 1925a: 105 [n. sp.]<sup>1</sup>*Clastoptera euba* Osborn 1926c: 362 [Listed]<sup>1</sup>*Clastoptera euba* Osborn 1926e: 362 [Listed]<sup>1</sup>[*Clastoptera*] *euba* Metcalf and Bruner 1944a: 122 [Key] :123 [Notes]<sup>1</sup>LOCALITIES: <sup>1</sup> Cuba.*d* Ball (var.) [*obtusa lineatocollis*]. See *Clastoptera lineatocollis* Stål.*d* Fitch (var.) [*proteus cincticollis*]. See *Clastoptera proteus* Fitch.*d* Fitch (var.) [*proteus nigricollis*]. See *Clastoptera proteus* var. *nigricollis* Fitch.**darnoides** Germar*C[lastoptera]* *darnoides* Germar 1839a: 188 [n. sp.]<sup>1</sup>*Clastoptera darnoides* Walker 1851b: 842 [Catalogued]<sup>1</sup>[*Clastoptera*] *darnoides* Dohrn 1859a: 69 [Listed]<sup>1</sup>*C[lastoptera]* *darnoides* Lallemand 1912a: 23 [Catalogued]<sup>1, 2</sup> Equals*Clastoptera obtusata* Stål [error]*Clastoptera darnoides* Sherborn 1925a: 1786 [Catalogued][*Clastoptera*] *obtusa darnoides* Ball 1927b: 223 [Notes]<sup>1</sup> Equals [*Clastoptera*] *darnoides* Germ.*Clastoptera darnoides* Schmidt 1932b: 55 [Listed]<sup>2</sup>LOCALITIES: <sup>1</sup> Brazil. <sup>2</sup> Rio de Janeiro.*darnoides* var. *fuscipes* Stål. See *Clastoptera fuscipes* Stål.*darnoides* var. *sahlbergi* Stål. See *Clastoptera sahlbergi* Stål.**delicata** Uhler*C[lastoptera]* *delicata* Uhler 1876a: 348 [n. sp.]<sup>1, 2</sup>*C[lastoptera]* *delicata* Uhler 1877a: 458 [Listed]<sup>1</sup>*Clastoptera delicata* Townsend 1894a: 313 [Listed]<sup>3</sup>*Clastoptera delicata* Gillette and Baker 1895a: 70 [Listed]<sup>1</sup>*C[lastoptera]* *delicata* Goding 1895b: 498 [Catalogued]<sup>1, 2</sup>*Clastoptera delicata* Ball 1896a: 184; Pl. XIII, Figs. 4, 8 [Described, illustrated, key]<sup>1, 2, 4, 5</sup> Equals *Clastoptera binotata* Uhl. (nom. nud.) [error] :192 [Zoogeography]<sup>1, 2, 4, 5</sup>[*Clastoptera*] *delicata* Ball 1899a: 205 [Listed]<sup>6, 7</sup>*Clastoptera delicata* Baker 1900b: 463 To *Clastoptera lineaticollis* [sic] Stål [error][*Clastoptera*] *delicata* Henshaw 1903b: 226 [Listed]<sup>1, 2</sup>[*Clastoptera*] *delicata* Woodworth 1903a: 43 [Listed]<sup>4</sup>*Clastoptera delicata* Lallemand 1912a: 24 To [*Clastoptera obtusa*] *lineaticollis* [sic] Ball [error]

- Clastoptera delicata* Woodworth 1913a: 270 [Listed]<sup>4</sup>  
 [*Clastoptera*] *delicata* Van Duzee 1916a: 58 [Listed]<sup>5</sup>  
*Clastoptera delicata* Van Duzee 1917b: 519 [Catalogued]<sup>1</sup> Equals  
 [*Clastoptera*] *lineaticollis* [sic] Bak. [in part.]  
 [*Clastoptera*] *delicata* Ball 1919d: 146, 147 [Comparative notes]  
 [*Clastoptera*] *delicata* Stearns 1923a: 231 [Key] :232; Figs. 20, 68-69  
 [Described, illustrated] Equals *Clastoptera lineatocollis* Stål [error]  
 Equals *Clastoptera binotata* Uhl. [nom. nud.] [error]  
*C[lastoptera] delicata* Williams 1923a: 273 [Comparative note]  
 [*Clastoptera*] *delicata* Doering 1926a: 87 [Comparative note]  
*Clastoptera lineatocollis delicata* Ball 1927a: 105 [Described, food  
 plants]<sup>1, 4</sup> Equals *Clastoptera delicata* Uhl. Equals *Clastoptera delicata*  
*lineata* Ball  
 [*Clastoptera*] *delicata* Ball 1927a: 105 [Comparative notes]  
*C[lastoptera] delicata* Doering 1929a: 18 [Key] :20, 22, 23, 26 [Compara-  
 tive notes]: 24; Pl. I, Fig. 3; Pl. III, Fig. 1; Pl. IV, Figs. 1, 1a; Pl.  
 VII, Fig. 11; Pl. XII, Figs. 4, 10; Pl. XVI, Fig. 6; Pl. XX, Figs. 5, 5a;  
 Pl. XXIV; Pl. XXV, Figs. 1, 1a, 1b [Described, illustrated, cata-  
 logued]<sup>1, 2, 3, 4, 5</sup> Equals *Clastoptera lineatocollis delicata* Uhl. Equals  
*Clastoptera delicata binotata* Ball [error]  
*Clastoptera delicata* Knowlton 1929b: 45 [Listed]<sup>2</sup>  
*Clastoptera delicata* Doering 1930b: 82 [Key] :87 [Food plants] :103;  
 Pl. I [Illustrated]  
 [*Clastoptera*] *delicata* Doering 1941c: 130 [Key]  
*Clastoptera delicata* Doering 1942a: 69, 72 [Food plants]  
*Clastoptera delicata* Doering 1942b: 89 [Food plants]  
*Clastoptera delicata* Knowlton 1942b: 602 [Predators]<sup>2</sup>  
 LOCALITIES: <sup>1</sup> Colorado. <sup>2</sup> Utah. <sup>3</sup> New Mexico. <sup>4</sup> California. <sup>5</sup> Arizona. <sup>6</sup> Mexico.  
<sup>7</sup> Vera Cruz. <sup>8</sup> Western States.

*delicata binotata* Ball. See *Clastoptera binotata* Ball.

***delicata* var. *delicata* Uhler**

- Clastoptera delicata lineata* Ball 1896a: 185 [n. subsp.]  
*Clastoptera delicata lineata* var. *a* Ball 1896a: 185; Pl. XI, Fig. 8 [n. var.,  
 illustrated] :184 [Key]  
*Clastoptera delicata lineata* var. *b* Ball 1896a: 185 [n. var.] :184 [Key]  
*Clastoptera delicata delicata* Baker 1900b: 463 Equals *Clastoptera deli-*  
*cata lineata* Ball  
 [*Clastoptera delicata*] *lineata* Lallemand 1912a: 23 To *C[lastoptera]*  
*binotata* Uhl. [error]  
 [*Clastoptera delicata lineata*] var. *a* Lallemand 1912a: 23 To *C[lastoptera]*  
*binotata* Uhl. [error]  
 [*Clastoptera delicata lineata*] var. *b* Lallemand 1912a: 23 To *C[lastoptera]*  
*binotata* Uhl. [error]

[*Clastoptera lineatocollis*] *lineata* Van Duzee 1916a: 58 [Listed]  
 [*Clastoptera lineatocollis*] *lineata* Van Duzee 1917b: 520 [Catalogued]  
*C[lastoptera]* *delicata lineata* Stearns 1923a: 232 [Described]  
*Clastoptera delicata lineata* Ball 1927a: 105 To *Clastoptera lineatocollis*  
*delicata* Uhl.

*delicata lineata* Ball. See *Clastoptera delicata* var. *delicata* Uhler.

*delicata lineata* var. *a* Ball. See *Clastoptera delicata* var. *delicata* Uhler.

*delicata lineata* var. *b* Ball. See *Clastoptera delicata* var. *delicata* Uhler.

### **dimidiata** Fowler

*Clastoptera dimidiata* Fowler 1898a: 202; Pl. 12, Fig. 22 [n. sp., illustrated]<sup>1</sup>

*C[lastoptera]* *dimidiata* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*Clastoptera dimidiata* Ball 1927b: 224 To *Clastoptera aehatina* Germ.  
 [error]

LOCALITIES: <sup>1</sup> Panama.

### **distincta** Doering

*Clastoptera distincta* Doering 1929a: 54; Pl. I, Fig. 31; Pl. III, Fig. 8; Pl. V, Fig. 6; Pl. IX, Figs. 2, 9; Pl. XIII, Figs. 2, 12; Pl. XVII, Fig. 3; Pl. XXI, Figs. 6, 6a; Pl. XXIV; Pl. XXV, Figs. 10, 10a [n. sp., illustrated]<sup>1, 2</sup> :19 [Key] :55 [Comparative note]

*Clastoptera distincta* Doering 1930b: 83 [Key]

*Clastoptera distincta* Doering 1942a: 72 [Food plants]

LOCALITIES: <sup>1</sup> Colorado. <sup>2</sup> Arizona.

### **elongata** Doering

*Clastoptera elongata* Doering 1929a: 84; Pl. II; Pl. III, Fig. 11; Pl. VII, Fig. 9; Pl. XI, Figs. 3, 14; Pl. XV, Figs. 9, 10; Pl. XIX, Fig. 7; Pl. XXIII, Figs. 9, 9a; Pl. XXIV; Pl. XXVII, Figs. 5, 5a [n. sp., illustrated]<sup>1, 2, 3</sup> :20 [Key] :65, 66, 85, 86, 91, 92 [Comparative notes]

*Clastoptera elongata* Doering 1930b: 85 [Key] :87 [Food plants]

[*Clastoptera*] *elongata* Doering 1941c: 133 [Key]

*Clastoptera elongata* Doering 1942a: 70, 72 [Food plants]

*Clastoptera elongata* Doering 1942b: 80, 87 [Food plants]

LOCALITIES: <sup>1</sup> New Mexico. <sup>2</sup> Colorado. <sup>3</sup> Florida.

### **femoralis** Stål

*C[lastoptera]* *femoralis* Stål 1862e: 17 [n. sp.]<sup>1</sup>

*Clastoptera femoralis* Lethierry 1890a: 152 [Listed]<sup>2</sup>

*C[lastoptera]* *femoralis* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

[*Clastoptera*] *xanthocephala femoralis* Ball 1927b: 224 [Notes] Equals

[*Clastoptera*] *femoralis* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro. <sup>2</sup> Venezuela.

*flava* Ball. See *Clastoptera proteus* var. *nigricollis* Fitch.

*flava* var. *a* Ball [*proteus*]. See *Clastoptera proteus* var. *nigricollis* Fitch.

*flava* var. *b* Ball [*proteus*]. See *Clastoptera proteus* var. *nigricollis* Fitch.

### **flaviceps** Melichar

*Clastoptera flaviceps* Melichar 1915e: 3 [n. sp., comparative note]<sup>1</sup>

*C[lastoptera] flaviceps* Lallemand 1939b: 53 [Comparative note]

LOCALITIES: <sup>1</sup> Paraguay.

*flavicollis* Fitch. See *Clastoptera proteus* Fitch.

*flavicollis* var. *a* Fitch [*proteus*]. See *Clastoptera proteus* Fitch.

*flavicollis* var. *b* Fitch [*proteus*]. See *Clastoptera proteus* Fitch.

### **flavidorsa** Metcalf and Bruner

*Clastoptera flavidorsa* Metcalf and Bruner 1925a: 104 [n. sp.]<sup>1</sup>

*Clastoptera flavidorsa* Osborn 1926e: 362 [Listed]<sup>1</sup>

*Clastoptera flavidorsa* Osborn 1926e: 362 [Listed]<sup>1</sup>

*Clastoptera flavidorsa* Metcalf and Bruner 1944a: 122 [Key] :123 [Notes]<sup>1</sup>

LOCALITIES: <sup>1</sup> Cuba.

### **flavifrons** Germar

*C[lastoptera] flavifrons* Germar 1839a: 189 [n. sp.]<sup>1</sup>

*Clastoptera flavifrons* Walker 1851b: 843 [Catalogued]<sup>1</sup>

*[Clastoptera] flavifrons* Dohrn 1859a: 69 [Listed]<sup>1</sup>

*Clastoptera flavifrons* Fowler 1898a: 205; Pl. 12, Fig. 28 [Described, illustrated]<sup>2</sup>

*C[lastoptera] flavifrons* Lallemand 1912a: 23 [Catalogued]<sup>2</sup>

*Clastoptera flavifrons* Sherborn 1926b: 2429 [Catalogued]

*[Clastoptera obtusa flavifrons]* Ball 1927b: 223 [Notes]<sup>1, 2</sup> Equals *[Clastoptera] flavifrons* Germ.

LOCALITIES: <sup>1</sup> Brazil. <sup>2</sup> Mexico.

### **flavivitta** Fowler

*Clastoptera flavivitta* Fowler 1898a: 202; Pl. 12, Fig. 21 [n. sp., illustrated]<sup>1</sup>

*C[lastoptera] flavivitta* Lallemand 1912a: 23 [Catalogued]<sup>2</sup>

*C[lastoptera] flavivitta* Ball 1927b: 224 To *[Clastoptera proteus flava]* [error]

LOCALITIES: <sup>1</sup> Guatemala. <sup>2</sup> Central America.

### **funesta** Stål

*C[lastoptera] funesta* Stål 1854b: 253 [n. sp.]<sup>1</sup>

*Clastoptera funesta* Walker 1858b: 260 [Catalogued]<sup>1</sup>

*[Clastoptera] funesta* Dohrn 1859a: 69 [Listed]<sup>1</sup>

*C[lastoptera] funesta* Stål 1862e: 17 [Comparative note]

*Clastoptera funesta* Fowler 1897b: 199; Pl. 12, Fig. 14 [Notes, illustrated, catalogued]<sup>1, 2, 3, 4, 5, 6, 7, 8</sup>

- C[lastoptera] funesta* Fowler 1898a: 204 [Comparative note]  
*Clastoptera funesta* (?) Van Duzee 1907a: 50 [Described]<sup>9</sup>  
*Clastoptera funesta* Osborn 1909a: 460 [Notes]<sup>6</sup>  
*Clastoptera funesta* Lallemand 1912a: 25 To *C[lastoptera] scutellata*  
 Germ. [error]  
*Clastoptera funesta* Herrera 1923a: 114 [Listed]<sup>3, 10</sup>  
*[Clastoptera] funesta* Williams 1923a: 272 [Comparative note]<sup>11</sup>  
*[Clastoptera] proteus funesta* Ball 1927b: 223, 224, 225 [Notes]<sup>1, 2</sup>: 223  
 Equals *[Clastoptera] funesta* Stål  
*Clastoptera funesta* Ballou 1935a: 187 [Food plants]<sup>12</sup>  
*Clastoptera funesta* Ballou 1936a: 25, 36, 44 [Food plants]<sup>12</sup>  
*Clastoptera funesta* Ballou 1936b: 455 [Food plants]<sup>12</sup>  
*C[lastoptera] funesta* Doering 1941c: 134 [Comparative note]  
*Clastoptera funesta* Doering 1942b: 73, 78 [Food plants]  
 LOCALITIES: <sup>1</sup> Honduras. <sup>2</sup> Mexico. <sup>3</sup> Vera Cruz. <sup>4</sup> Tabasco. <sup>5</sup> Morelos. <sup>6</sup> Guatemala. <sup>7</sup> Nicaragua. <sup>8</sup> Panama. <sup>9</sup> Jamaica. <sup>10</sup> Federal District. <sup>11</sup> Central America. <sup>12</sup> Costa Rica.

**funesta** var. — Fowler

*Clastoptera funesta* var. — Fowler 1897b: 200; Pl. 12; Fig. 15 [n. var., illustrated]<sup>1</sup>

LOCALITIES: <sup>1</sup> Tabasco.

**fuscipes** Stål

*C[lastoptera] fuscipes* Stål 1862e: 18 [n. sp.]<sup>1</sup>

*[Clastoptera darnoides] fuscipes* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*[Clastoptera] obtusa fuscipes* Ball 1927b: 224 [Notes] Equals *[Clastoptera] fuscipes* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro.

**fuscomaculata** Stål

*C[lastoptera] fuseomaculata* Stål 1854b: 253 [n. sp.]<sup>1</sup>

*Clastoptera fuscomaculata* Walker 1858b: 260 [Catalogued]<sup>1</sup>

*[Clastoptera] fuseomaculata* Dohrn 1859a: 69 [Listed]<sup>2</sup>

*[Clastoptera] obtusa fuscomaculata* Ball 1927b: 223 [Notes]<sup>2</sup> Equals

*[Clastoptera] fuseomaculata* Stål

LOCALITIES: <sup>1</sup> Minas Gerais. <sup>2</sup> Brazil.

*glauca* Heidemann (var.). See *Clastoptera xanthoccephala* var. *unicolor* Fowler.

**globosa** Fowler

*Clastoptera globosa* Fowler 1897b: 200; Pl. 12, Fig. 16 [n. sp., illustrated]<sup>1, 2, 3, 4</sup>

*C[lastoptera] globosa* Lallemand 1912a: 23 [Catalogued]<sup>1, 2</sup>

*[Clastoptera] globosa* Ball 1927b: 224, 225 [Notes]

*[Clastoptera] globosa* Doering 1941c: 131 [Key]: 134 [Described, catalogued]<sup>1, 2, 3, 5</sup>



*Clastoptera globosa* Doering 1942b: 73 [Food plants]

LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Guatemala. <sup>3</sup> Guerrero. <sup>4</sup> Tabasco. <sup>5</sup> Texas.

**hyalinoapicata** Melichar

*Clastoptera hyalinoapicata* Melichar 1915e: 3 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Paraguay.

**hyperici** McAtee

*Clastoptera protcus hyperici* McAtee 1920b: 174 [n. var., key]<sup>1</sup>

*Clastoptera proteus hyperici* Ball 1927a: 109 [Described]<sup>2, 3, 4</sup> Equals

*Clastoptera protcus pini* Van D. (nec Fitch) [in part.] Equals *Clastoptera protcus nigra* Ball [error]

*Clastoptera hyperici* Doering 1929a: 18 [Key] :23, 31, 32, 34, 44, 48, 49, 51, 63, 76, 77 [Comparative notes] :52; Pl. I, Fig. 7; Pl. III, Fig. 4; Pl. V, Fig. 7; Pl. IX, Figs. 5, 6; Pl. XIII, Figs. 6, 13; Pl. XVII, Fig. 5; Pl. XXI, Figs. 4, 4a; Pl. XXIV; Pl. XXV, Figs. 6, 6a, 6b [Described, illustrated, catalogued]<sup>1</sup> Equals *Clastoptera proteus hyperici* Gibs.

*Clastoptera hyperici* Doering 1930b: 82 [Key] :87 [Food plants]

*Clastoptera proteus hyperici* Johnson 1930a: 33 [Listed]<sup>3, 5</sup>

*Clastoptera hyperici* Brimley 1938a: 87 [Listed]<sup>6</sup>

[*Clastoptera proteus*] *hyperici* Procter 1938a: 84 [Listed]<sup>7</sup>

[*Clastoptera*] *hyperici* Doering 1941e: 131 [Key]

*Clastoptera hyperici* Doering 1942b: 73, 80 [Food plants]

[*Clastoptera*] *hyperici* Froeschner 1946a: 31 [Key] :34 [Notes]<sup>8</sup>

LOCALITIES: <sup>1</sup> Maryland. <sup>2</sup> Wisconsin. <sup>3</sup> Massachusetts. <sup>4</sup> Virginia. <sup>5</sup> Nantucket Island. <sup>6</sup> North Carolina. <sup>7</sup> Mount Desert Island. <sup>8</sup> Missouri.

**irrorata** Fowler

*Clastoptera irrorata* Fowler 1898a: 206; Pl. 12, Fig. 30 [n. sp., illustrated]<sup>1</sup>

*Clastoptera irrorata* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*Clastoptera xanthocephala irrorata* Ball 1927b: 224 [Notes] Equals

*Clastoptera irrorata* Fowl.

LOCALITIES: <sup>1</sup> Mexico.

**isabellae** Roba [nom. nud.]

*Clastoptera isabellae* Roba 1935a: 302 [nom. nud., economies]<sup>1</sup>

LOCALITIES: <sup>1</sup> Colombia.

**juniperina** Ball

*Clastoptera obtusa juniperina* Ball 1919d: 146 [n. var.]<sup>1</sup>

[*Clastoptera obtusa*] *juniperina* Essig 1926a: 203 [Listed]

*Clastoptera obtusa juniperina* Ball 1927a: 110 [Described, food plants]<sup>1, 2, 3, 4, 5, 6, 7</sup> :110, 112 [Comparative notes]

[*Clastoptera*] *juniperina* Doering 1929a: 19 [Key] :95, 96 [Comparative notes] :97; Pl. II; Pl. III, Fig. 13; Pl. VII, Fig. 3; Pl. XI, Figs. 4, 9;



Pl. XV, Figs. 4, 14; Pl. XIX, Fig. 1; Pl. XXIII, Figs. 1, 1a; Pl. XXIV; Pl. XXVII, Figs. 2, 2a [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 6, 7, 8, 9, 10, 11</sup> :97 Equals *Clastoptera obtusa juniperina* Ball  
*Clastoptera juniperina* Doering 1930b: 84 [Key] :87 [Food plants]  
 [Clastoptera] *juniperina* Doering 1941c: 132 [Key]  
*Clastoptera juniperina* Doering 1942b: 73, 80, 89 [Food plants]  
 LOCALITIES: <sup>1</sup> Colorado. <sup>2</sup> Utah. <sup>3</sup> Montana. <sup>4</sup> North Dakota. <sup>5</sup> West Virginia.  
<sup>6</sup> District of Columbia. <sup>7</sup> Massachusetts. <sup>8</sup> Virginia. <sup>9</sup> California. <sup>10</sup> Arizona.  
<sup>11</sup> Texas.

### **laenata** Fowler

*Clastoptera laenata* Fowler 1898a: 203; Pl. 12, Fig. 25 [n. sp., illustrated]<sup>1, 2, 3, 4, 5, 6</sup> :202, 204 [Comparative notes]  
 C[lastoptera] *laenata* Lallemand 1912a: 23 [Catalogued]<sup>7</sup>  
*Clastoptera laenata* Urich 1913a: 30 [Ecology]<sup>8</sup>  
*Clastoptera laenata* Urich 1913d: 36 [Ecology]<sup>8</sup>  
*Clastoptera laenata* Van Duzee 1923a: 168 [Listed]<sup>9, 10</sup>  
 C[lastoptera] *laenata* Ball 1927b: 224 [Notes]  
*Clastoptera laevata* [sic] Doering 1930b: 84 [Key]  
*Clastoptera laenata* Doering 1931a: 50 [Notes]<sup>1, 11, 12, 13</sup>  
 [Clastoptera] *laenata* Doering 1941c: 132 [Key]  
*Clastoptera laenata* Doering 1942b: 73 [Food plants]  
 LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Guatemala. <sup>3</sup> Panama. <sup>4</sup> Durango. <sup>5</sup> Vera Cruz. <sup>6</sup> Tabasco. <sup>7</sup> Central America. <sup>8</sup> Trinidad. <sup>9</sup> San José Island. <sup>10</sup> Baja California.  
<sup>11</sup> South America. <sup>12</sup> Texas. <sup>13</sup> Arkansas.

*laevata*. Typographical error for *Clastoptera laenata* Fowler.

### **lawsoni** Doering

*Clastoptera lawsoni* Doering 1929a: 71; Pl. II; Pl. III, Fig. 9; Pl. VI, Fig. 2; Pl. X, Figs. 3, 12; Pl. XIV, Figs. 3, 11; Pl. XVIII, Fig. 4; Pl. XXII, Figs. 3, 3a; Pl. XXIV; Pl. XXVI, Figs. 5, 5a, 5b [n. sp., illustrated]<sup>1, 2, 3, 4</sup> :18 [Key] :68, 69, 72, 73 [Comparative notes]  
*Clastoptera lawsoni* Doering 1930b: 81 [Key] :87 [Food plants]  
 [Clastoptera] *lawsoni* Doering 1941c: 130 [Key]  
*Clastoptera lawsoni* Doering 1942b: 73, 91 [Food plants]  
 LOCALITIES: <sup>1</sup> Arizona. <sup>2</sup> Utah. <sup>3</sup> California. <sup>4</sup> Texas.

*limatocollis*. Typographical error for *Clastoptera lineatocollis* Stål.

*lineata* Ball. See *Clastoptera delicata* var. *delicata* Uhler.

*lineata* var. *a* Ball [delicata]. See *Clastoptera delicata* var. *delicata* Uhler.

*lineata* var. *b* Ball [delicata]. See *Clastoptera delicata* var. *delicata* Uhler.

*lineata* Fowler [nom. nud.]. See *Clastoptera obtusa* var. *obtusa* Say.

*lineaticollis*. Typographical error for *Clastoptera lineatocollis* Stål.

### **lineatocollis** Stål

C[lastoptera] *lineatocollis* Stål 1854b: 253 [n. sp.]<sup>1</sup>  
*Clastoptera lineatocollis* Walker 1858b: 260 [Catalogued]<sup>1</sup>

- [*Clastoptera*] *lineatocollis* Dohrn 1859a: 69 [Listed]<sup>1</sup>  
*Clastoptera lineatocollis* Stål 1859b: 285 [Described]<sup>1</sup>  
*C[lastoptera] lineatocollis* Goding 1895b: 501 [Catalogued]<sup>1</sup>  
*Clastoptera lineatocollis* Ball 1896a: 188 To *Clastoptera obtusa* Say [error]  
[*Clastoptera obtusa*] *lineatocollis* Ball 1896a: 190; Pl. XI, Fig. 4 [Described, illustrated, catalogued] Equals *C[lastoptera] lineatocollis* Stål  
*Clastoptera obtusa lineatocollis* var. *a* Ball 1896a: 190 [n. var.]<sup>1</sup> :192 [Zoogeography]<sup>1, 2, 3</sup>  
*Clastoptera obtusa lineatocollis* var. *b* Ball 1896a: 190 [n. var.]<sup>3</sup> :192 [Zoogeography]<sup>1, 2, 3</sup>  
*Clastoptera obtusa lineatocollis* var. *e* Ball 1896a: 190 [n. var.]<sup>4, 5</sup> :192 [Zoogeography]<sup>4, 6</sup>  
*Clastoptera obtusa lineatocollis* var. *d* Ball 1896a: 190 [n. var.]<sup>5, 6</sup> :192 [Zoogeography]<sup>4, 6</sup>  
*C[lastoptera] lineatocollis* Fowler 1898a: 203 [Comparative note]  
*Clastoptera lineaticollis* [sic] Baker 1900b: 463 [Notes] Equals *Clastoptera delicata* Uhl. [error]  
*Clastoptera limatocollis* [sic] Valdés Ragués 1910a: 445 [Described]<sup>7</sup>  
[*Clastoptera obtusa*] *lineaticollis* [sic] Lallemant 1912a: 24; Pl. 1, Figs. 2, 2a [Catalogued, illustrated] Equals *Clastoptera lineaticollis* [sic] Stål  
Equals *Clastoptera delicata* Uhl. [error]  
*Clastoptera lineaticollis* [sic] Van Duzee 1912a: 508 [Nomenclature]  
Equals [*Clastoptera*] *obtusa* [*lineatocollis*] Ball  
*Claptostella* [sic] *lineatocollis* Valdés Ragués 1914a: 105 [Listed]<sup>7</sup>  
*Clastoptera lineaticollis* [sic] Van Duzee 1914a: 48 [Listed]<sup>1</sup>  
[*Clastoptera*] *lineatocollis* Van Duzee 1916a: 58 [Listed]<sup>8</sup> Equals  
[*Clastoptera*] *delicata* Ball [in part.]  
*Clastoptera lineatocollis* Van Duzee 1917a: 286 [Listed]<sup>1</sup>  
*Clastoptera lineatocollis* Van Duzee 1917b: 520 [Catalogued]<sup>1, 3, 9, 10</sup>  
*Clastoptera linneaticollis* [sic] Johnson and Ledig 1918a: 7 [Listed]<sup>1</sup>  
[*Clastoptera*] *lineaticollis* [sic] Ball 1919d: 146, 147 [Comparative notes]  
*Clastoptera lineatocollis* Stearns 1923a: 232 To *C[lastoptera] delicata* Uhl. [error] :233 [Described]<sup>1</sup>  
*Clastoptera lineatocollis* Van Duzee 1923a: 168 [Listed]<sup>11, 12</sup>  
*Clastoptera lineatocollis* Downes 1924a: 30 [Listed]<sup>13</sup>  
[*Clastoptera*] *lineatocollis* Doering 1926a: 87 [Comparative note]  
*Clastoptera lineatocollis lineatocollis* Ball 1927a: 105 [Described]<sup>1, 9</sup>  
*Clastoptera lineatocollis* Ball 1927a: 104 [Key] :105 [Described] :106 [Comparative note]  
*Clastoptera lineatocollis* Ball 1927b: 223 [Notes]<sup>1</sup> :225 [Comparative note]

*Clastoptera lineatocollis* Downes 1927a: 16 [Food plants]<sup>13</sup>  
*C[lastoptera] lineatocollis* Doering 1929a: 18 [Key] :20; Pl. I, Fig. 4; Pl. III, Fig. 2; Pl. IV, Figs. 2, 2a; Pl. VIII, Figs. 3, 10; Pl. XII, Figs. 1, 7; Pl. XVI, Fig. 2; Pl. XX, Figs. 2, 2a; Pl. XXIV; Pl. XXV, Figs. 4, 4a, 4b [Described, illustrated]<sup>1, 2, 9, 10, 14</sup> :22, 23, 26, 27, 49, 54, 63, 76, 77 [Comparative notes]

*Clastoptera lineatocollis* Knowlton 1929b: 45 [Listed]<sup>9</sup>

*Clastoptera lineatocollis* Doering 1930b: 82 [Key] :87 [Food plants]

*Clastoptera lineatocollis* Sweet 1930a: 25, 26 [Ecology]<sup>1</sup>

[*Clastoptera*] *lineatocollis* Doering 1941c: 130 [Key]

*Clastoptera lineatocollis* Doering 1942a: 69, 72 [Food plants]

*Clastoptera lineatocollis* Doering 1942b: 73, 77, 78, 79, 83, 89 [Food plants]

*Clastoptera lineatocollis* Jenks and McKay 1947a: 33; Fig. 13 [Life history, illustrated]

LOCALITIES: <sup>1</sup> California. <sup>2</sup> Arizona. <sup>3</sup> Colorado. <sup>4</sup> West Virginia. <sup>5</sup> District of Columbia. <sup>6</sup> Maryland. <sup>7</sup> Cuba. <sup>8</sup> Western States. <sup>9</sup> Utah. <sup>10</sup> New Mexico.

<sup>11</sup> Baja California. <sup>12</sup> Danzante Island. <sup>13</sup> British Columbia. <sup>14</sup> Texas.

*lineatocollis* var. *a* Ball [obtusa]. See *Clastoptera lineatocollis* Stål.

*lineatocollis* var. *b* Ball [obtusa]. See *Clastoptera lineatocollis* Stål.

*lineatocollis* var. *binotata* Ball. See *Clastoptera binotata* Ball.

*lineatocollis* var. *brunnea* Ball. See *Clastoptera brunnea* Ball.

*lineatocollis* var. *c* Ball [obtusa]. See *Clastoptera lineatocollis* Stål.

*lineatocollis* var. *d* Ball [obtusa]. See *Clastoptera lineatocollis* Stål.

*lineatocollis* var. *delicata* Uhler. See *Clastoptera delicata* Uhler.

*lineatocollis* var. *lineata* Ball. See *Clastoptera delicata* var. *delicata* Uhler.

*lineatocollis* var. *lineatocollis* Stål. See *Clastoptera lineatocollis* Stål.

*lineatocollis* var. *lugubris* Ball. See *Clastoptera lugubris* Ball.

*linneaticollis*. Typographical error for *Clastoptera lineatocollis* Stål.

### **lugubris** Ball

*Clastoptera lineaticollis* [sic] *lugubris* Ball 1919d: 146 [n. var.]<sup>1</sup>

*Clastoptera lineatocollis lugubris* Ball 1927a: 106 [Described]<sup>1</sup>

*C[lastoptera] lugubris* Doering 1929a: 18 [Key] :22, 23, 27 [Comparative notes] :28; Pl. I, Fig. 2; Pl. IV, Fig. 4; Pl. VIII, Figs. 5, 12; Pl. XII, Figs. 2, 8; Pl. XVI, Fig. 1; Pl. XX, Figs. 3, 3a [Described, illustrated, catalogued]<sup>2</sup> Equals *Clastoptera lineatocollis lugubris* Ball

*Clastoptera lugubris* Doering 1930b: 82 [Key]

[*Clastoptera*] *lugubris* Doering 1941c: 130 [Key]

LOCALITIES: <sup>1</sup> California. <sup>2</sup> Southern California.

*maculicollis* Fitch. See *Clastoptera proteus* Fitch.

*maculicollis* var. *a* Fitch [proteus]. See *Clastoptera proteus* Fitch.

*maculicollis* var. *b* Fitch [proteus]. See *Clastoptera proteus* Fitch.

*maculicollis* var. *c* Fitch [proteus]. See *Clastoptera proteus* Fitch.

**maculipes** Melichar

*Clastoptera maculipes* Melichar 1915c: 4 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Peru.

*murrayi*. Typographical error for *Clastoptera murrayi* Fairmaire and Signoret. See *Sepullia murrayi* Fairmaire and Signoret. Family APHROPHORIDAE. Fascicle VII, Part 3.

**media** Doering

*Clastoptera media* Doering 1929a: 99; Pl. II; Pl. III, Fig. 12; Pl. VII, Fig. 2; Pl. XI, Figs. 5, 10; Pl. XV, Figs. 3, 17; Pl. XIX, Fig. 2; Pl. XXIII, Figs. 3, 3a; Pl. XXIV; Pl. XXVII, Figs. 3, 3a [n. sp., illustrated]<sup>1</sup> :19 [Key] :95, 96 [Comparative notes]

*Clastoptera media* Doering 1930b: 84 [Key]

[*Clastoptera*] *media* Doering 1941c: 132 [Key]

*Clastoptera media* Doering 1942b: 73 [Food plants]

LOCALITIES: <sup>1</sup> Arizona.

**minima** Fowler

*Clastoptera minima* Fowler 1898a: 201; Pl. 12, Fig. 18 [n. sp., illustrated]<sup>1, 2</sup>

*C[lastoptera] minima* Lallemand 1912a: 23 [Catalogued]<sup>3</sup>

*Clastoptera minima* Herrera 1923a: 114 [Listed]<sup>2, 4</sup>

*Clastoptera minima* Ball 1927b: 224 To *Clastoptera xanthocephala* Germ. [error]

LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Vera Cruz. <sup>3</sup> Central America. <sup>4</sup> Guerrero.

**monticola** Lallemand

*Clastoptera monticola* Lallemand 1939b: 54 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Ecuador.

*murrayi* Fairmaire and Signoret. See *Sepullia murrayi* Fairmaire and Signoret. Family APHROPHORIDAE. Fascicle VII, Part 3.

**newporta** Doering

*Clastoptera newporta* Doering 1929a: 100; Pl. II; Pl. III, Fig. 13; Pl. VII, Fig. 4; Pl. XI, Figs. 7, 11; Pl. XV, Figs. 1, 15; Pl. XIX, Fig. 5; Pl. XXIII, Figs. 2, 2a; Pl. XXIV; Pl. XXVII, Figs. 4, 4a [n. sp., illustrated]<sup>1, 2, 3, 4</sup> :19 [Key] :95, 96 [Comparative notes]

*Clastoptera newporta* Doering 1930b: 84 [Key]

[*Clastoptera*] *newporta* Doering 1941c: 132 [Key]

*Clastoptera newporta* Doering 1942b: 73 [Food plants]

LOCALITIES: <sup>1</sup> Connecticut. <sup>2</sup> New York. <sup>3</sup> Rhode Island. <sup>4</sup> New Jersey.

**nigra** Germar

*C[lastoptera] nigra* Germar 1839a: 189 [n. sp.]<sup>1</sup>

*C[lastoptera] atra* [sic] Fitch 1851a: 54 [Comparative note]

*Clastoptera nigra* Walker 1851b: 843 [Catalogued]<sup>1</sup>

[*Clastoptera*] *nigra* Dohrn 1859a: 69 [Listed]<sup>1</sup>

- C[lastoptera] atra* [sic] Fitch 1893a: 394 (54) [Comparative note]  
*Clastoptera atra* [sic] Ball 1896a: 186, 187 [Comparative notes]  
*C[lastoptera] nigra* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>  
*[Clastoptera] nigra* Van Duzee 1912a: 509 [Listed]<sup>1</sup> Equals *[Clastoptera] atra* (sic) Fitch  
*[Clastoptera] proteus nigra* Ball 1927b: 222, 223 [Notes]<sup>1</sup> Equals *[Clastoptera] nigra* Germ.

LOCALITIES: <sup>1</sup> Brazil.

- nigra* Ball. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*nigra* var. *a* Ball [proteus]. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*nigra* var. *b* Ball [proteus]. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*nigricollis* Fitch (var.). See *Clastoptera proteus* var. *nigricollis* Fitch.  
*nigricollis* var. *a* Fitch [proteus]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*nigricollis* var. *b* Fitch [proteus]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*nigricollis* var. *c* Fitch [proteus]. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*nigricollis* var. *d* Fitch [proteus]. See *Clastoptera proteus* var. *nigricollis* Fitch.

#### **nigroapicata** Melichar

*Clastoptera nigroapicata* Melichar 1915c: 4 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Peru.

*nigrocollis*. Typographical error for *Clastoptera proteus* var. *nigricollis* Fitch.

#### **nigromaculata** Melichar

*Clastoptera nigromaculata* Melichar 1915c: 4 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Peru.

*nuba* Ball (var.). See *Clastoptera ochropila* var. *nuba* Ball.

#### **nubifera** Stål

*C[lastoptera] nubifera* Stål 1862e: 17 [n. sp.]<sup>1</sup>

*C[lastoptera] nubifera* Lallemand 1912a: 23 [Catalogued]<sup>1</sup>

*[Clastoptera] obtusa nubifera* Ball 1927b: 223 [Notes] Equals *[Clastoptera] nubifera* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro.

#### **obtusa** Say

*[Cercopis] obtusa* Say 1825a: 339 [n. sp.]<sup>1, 2, 3</sup>

*[Aphrophora obtusa]* Say 1830b: 305 Equals *Cercopis obtusa* Say

*[Cercopis] obtusa* Harris 1835a: 580 [Listed]<sup>4</sup>

*[Cercopis] obtusa* Harris 1835b: 60 [Listed]<sup>4</sup>

*[Aphrophora] obtusa* Harris 1841a: 182 [Listed]<sup>4</sup>

*C[lastoptera] obtusa* Fitch 1851a: 53 [Catalogued]<sup>5</sup>

*Ptyelus obtusus* Walker 1851b: 724 [Catalogued]<sup>1</sup> Equals *Cercopis obtusa* Say

*[Aphrophora] obtusa* Harris 1852a: 196 [Listed]<sup>4</sup>

*Ptyelus* (?) *obtusus* Walker 1852a: 1154 [Catalogued]<sup>1</sup> Equals *Cercopis obtusa* Say



- Tettigonia obtusa* Walker 1852a: 1160 To *Clastoptera achatina* Say (?)  
[error]
- Clastoptera obtusa* Fitch 1856a: 466 [Economics]<sup>5</sup> :389 Equals *Ptyelus*  
[*obtus*] Equals *Cercopis obtusa* Say
- [*Ptyelus*] *obtus* Dohrn 1859a: 68 [Listed]<sup>6</sup>
- C[*cercopis*] *obtus* Say 1859c: 256 [n. sp., reprinted]<sup>1, 2, 3</sup>
- [*Aphrophora obtusa*] Say 1859e: 382 Equals *Cercopis obtusa* Say
- [*Aphrophora*] *obtus* Harris 1863a: 225 [Listed]<sup>4</sup> Equals [C[*cercopis*]  
*obtus*]
- [*Clastoptera*] *obtus* Rathvon 1869a: 550 [Listed]<sup>3</sup>
- Clastoptera obtusa* Glover 1877a: 31; Fig. 29 [Described, illustrated]<sup>1</sup>  
Equals *Cercopis* [*obtus*]
- Clastoptera obtusa* Glover 1878a: 1; Pl. 1, Fig. 37; Pl. 2, Fig. 18 [Illus-  
trated]<sup>1</sup> Equals *Cercopis* [*obtus*]
- Clastoptera obtusa* Paekard 1881a: 88 [Notes]
- [*Clastoptera*] *obtus* Brodie and White 1883a: 58 [Listed]<sup>7</sup>
- C[*lastoptera*] *obtus* Fleteher 1883a: 78 [Economics]<sup>8</sup>
- C[*lastoptera*] *obtus* Uhler 1884a: 244 [Notes]<sup>9, 10, 11, 12</sup>
- Clastoptera obtusa* Comstock 1888a: 178 [Notes]
- C[*lastoptera*] *obtus* Uhler 1888e: 244 [Notes]<sup>9, 10, 11, 12</sup>
- Clastoptera obtusa* Lintner 1889a: 242 [Economics]<sup>5</sup> Equals *Cercopis*  
*obtus* Say
- Clastoptera obtusa* Provaneher 1889a: 259 [Described, key]<sup>13</sup> Equals  
*Cercopis obtusa* Say
- Clastoptera obtusa* Van Duzee 1889b: 8 [Listed]<sup>8</sup>
- Clastoptera obtusa* Packard 1890a: 342 [Notes]
- Clastoptera obtusa* Provaneher 1890d: 259 [Described, key, catalogued]<sup>13</sup>  
Equals *Cercopis obtusa* Say
- C[*lastoptera*] *obtus* Smith 1890a: 443 [Listed]
- Clastoptera* [sic] [*obtus*] Van Duzee 1890c: 388 Equals *Cercopis obtusa*  
Say
- Clastoptera obtusa* Fernald 1891a: 11 [Food plants]<sup>4</sup>
- Clastoptera obtusa* Harrington 1892a: 31 [Listed]<sup>8</sup>
- Clastoptera* [sic] *obtus* Osborn 1892a: 127 (13) [Listed]<sup>2</sup>
- C[*lastoptera*] *obtus* Southwick 1892b: 318 [Listed]<sup>5</sup>
- C[*lastoptera*] *obtus* Fitch 1893a: 393 (53) [Reprinted, catalogued]<sup>5</sup>
- Clastoptera obtusa* Lintner 1893a: 152; Fig. 11 [Economics, catalogued,  
illustrated]<sup>5</sup> Equals *Cercopis* [*obtus*] Say Equals *Clastoptera achatina*  
Germ. (?) [error]
- C[*lastoptera*] *obtus* Van Duzee 1894e: 193 [Listed]<sup>5</sup>
- Clastoptera obtusa* Gillette and Baker 1895a: 70 [Listed]<sup>14</sup>
- C[*lastoptera*] *obtus* Goding 1895b: 499 [Catalogued]<sup>2, 3, 4, 5, 7, 8, 15</sup>





- Equals *Aphrophora obtusa* Harr. Equals *Cercopis obtusa* Say Equals *Clastoptera achatina* Germ. [error]
- Clastoptera obtusa* Ball 1896a: 184 [Key] :188; Pl. XI, Fig. 1; Pl. XII, Fig. VI; Pl. XIII, Figs. 7, 11; Pl. XIV, Figs. 7, 8 [Described, illustrated, catalogued] Equals *Cercopis obtusa* Say Equals *Clastoptera achatina* Germ. [error] Equals *Clastoptera testacea* Fitch [error] Equals *Clastoptera pini* Fitch [error] Equals *Clastoptera lineatocollis* Stål [error] Equals *Clastoptera osborni* Gill. [error] :188, 191 Equals *Clastoptera stolidus* Uhl. (?) [error] Equals *Clastoptera undulata* Uhl. (?) [error] :191 [Zoogeography]<sup>4</sup>, 7, 16, 17, 18
- Clastoptera obtusa* Fowler 1898a: 202; Pl. 12, Fig. 23 [Notes, illustrated, catalogued]<sup>1</sup>, 6, 7, 12, 16, 19, 20, 21 Equals *Cercopis obtusa* Say Equals *Clastoptera achatina* Germ. [error] Equals *Clastoptera orbiculata* Sign. (nom. nud.) Equals *Clastoptera lineata* Sign. (nom. nud.)
- [*Clastoptera*] *obtusa* Baker 1900b: 463 [Notes]
- Clastoptera obtusa* Osborn 1900e: 65 [Food plants]<sup>22</sup>
- Clastoptera obtusa* Osborn 1900f: 11 [Listed]<sup>22</sup>
- Clastoptera obtusa* Smith 1900a: 90 [Listed]<sup>15</sup>
- Clastoptera obtusa* Heidemann 1901a: 400 [Food plants]<sup>23</sup>
- Clastoptera obtusa* Van Duzee 1903a: 111 [Listed]<sup>14</sup>, 24
- [*Clastoptera*] *obtusa* Woodworth 1903a: 43 [Listed]<sup>16</sup> Equals *Cercopis obtusa*
- Clastoptera obtusa* Wirtner 1904a: 216 [Listed]<sup>3</sup>
- [*Clastoptera*] *obtusa* Crevecoeur 1905a: 235 [Ecology]<sup>25</sup>
- Clastoptera obtusa* Van Duzee 1905a: 553 [Listed]<sup>5</sup>
- Clastoptera obtusa* Felt 1906a: 687 [Economies]<sup>5</sup>
- Clastoptera obtusa* Slosson 1906a: 326 [Listed]<sup>26</sup>
- Clastoptera obtusa* Van Duzee 1906a: 409 [Notes, food plants]<sup>8</sup>
- Clastoptera obtusa* Boring 1907a: 496; Pl. VI, Figs. 208–225; Pl. VII, Figs. 226–231 [Spermatogenesis, illustrated]<sup>4</sup>
- Clastoptera obtusa* Moore 1907a: 189 [Listed]<sup>13</sup>
- Clastoptera obtusa* Tucker 1907a: 65 [Listed]<sup>25</sup>
- Clastoptera obtusa* Van Duzee 1908b: 115 [Listed]<sup>13</sup>
- Clastoptera obtusa* Felt 1910b: 121 Equals [*Clastoptera*] *pini* Fitch [error] Equals [*Clastoptera*] *testacea* Fitch [error]
- [*Clastoptera*] *obtusa* Smith 1910a: 99 [Listed]<sup>15</sup>, 27
- Clastoptera obtusa* Young 1910a: 125 [Listed]<sup>5</sup>
- [*Clastoptera*] *obtusa* Lallemand 1912a: 23 [Catalogued]<sup>6</sup>, 28 Equals *Cercopis obtusa* Say Equals *Aphrophora obtusa* Harr.
- [*Clastoptera obtusa*] *orbiculata* Lallemand 1912a: 24 [nom. nud., catalogued] Equals *Clastoptera orbiculata* Fowl. [nom. nud.]
- Clastoptera obtusa* Van Duzee 1912b: 327 [Taxonomy]



- Clastoptera obtusa* Boring 1913a: 133 [Spermatogenesis]  
*Clastoptera obtusa* Shelford 1913a: 261 [Ecology]<sup>29</sup>  
*[Clastoptera] obtusa* Woodworth 1913a: 270 [Listed]<sup>16</sup>  
*Clastoptera obtusa* Van Duzee 1914a: 48 [Listed]<sup>16</sup>  
*Clastoptera obtusa* Boring and Fogler 1915a: 314 [Comparative note]  
*Clastoptera obtusa* Metcalf 1915a: 48 (16) [Listed]<sup>30</sup>  
*Clastoptera obtusa* Harvey 1916a: 41 [Chromosome number]  
*Clastoptera obtusa* Osborn 1916b: 283; Figs. 42, 50e-f [Life history, economics, illustrated]<sup>31, 32</sup> Equals *[Clastoptera] pini* Fitch [error] Equals *[Clastoptera] testacea* Fitch [error] :287 [Food plants]<sup>32</sup>  
*[Clastoptera] obtusa* Van Duzee 1916a: 58 [Listed]<sup>1, 7</sup> Equals *[Clastoptera] lineata* Lall. [nom. nud.] Equals *[Clastoptera] orbiculata* Lall. [nom. nud.] Equals *[Clastoptera] lineaticollis* [sic] Ball [in part.]  
*Clastoptera obtusa* Van Duzee 1917b: 517 [Catalogued]<sup>2, 3, 4, 5, 8, 9, 13, 14, 15, 16, 22, 23, 24, 25, 26, 30, 33, 34, 35</sup> Equals *Cercopis [obtusa]* Say Equals *Aphrophora [obtusa]* Harr. Equals *Ptyelus [obtus]* :518 Equals *[Clastoptera] lineaticollis* [sic] Ball [in part.] Equals *[Clastoptera] lineata* Sign. [nom. nud.] Equals *[Clastoptera] orbiculata* Sign. [nom. nud.]  
*Clastoptera obtusa* Beal 1918a: 10 [Listed]<sup>1</sup>  
*Clastoptera obtusa* Johnson and Ledig 1918a: 7 [Listed]<sup>16</sup>  
*Clastoptera obtusa pallida* Ball 1919d: 145 [n. var.]<sup>2</sup>  
*Clastoptera obtusa* Ball 1919d: 145 [Comparative note]  
*Clastoptera obtusa* Downes 1919a: 13 [Food plants]<sup>36</sup>  
*Clastoptera obtusa* Baerg 1920a: 20; 1 fig. [Parasites, illustrated]  
*[Clastoptera] obtusa* Britton 1920a: 56 [Listed]<sup>37</sup>  
*[Clastoptera] obtusa* McAtee 1920b: 174 [Key] :175 [Key to varieties]  
*C[lastoptera] obtusa* Moore 1920a: 24 [Listed]<sup>3, 13</sup> :25 [Food plants, life history notes]  
*Clastoptera obtusa* Osborn 1921a: 5 [Listed]<sup>38</sup>  
*Clastoptera obtusa* Crampton 1922b: 55; Pl. 3, Fig. 3 [ $\sigma$  genitalia illustrated]  
*Clastoptera obtusa* Doering 1922a: 518 [Life history notes]  
*Clastoptera obtusa* Osborn 1922c: 27; Figs. 12b, c [Ecology, illustrated]<sup>5</sup>  
*Clastoptera obtusa* Osborn and Drake 1922a: 22 [Ecology]<sup>5</sup>  
*Clastoptera obtusa* Boring 1923a: 91 [Cytology]  
*Clastoptera obtusa* Garman 1923a: 153; Pls. VIII-IX, Figs. 1-3, 5; 1 text fig. [Life history, illustrated]<sup>37</sup>  
*Clastoptera obtusa* Herrera 1923a: 114 [Listed]<sup>39, 40, 41</sup>  
*[Clastoptera] obtusa* Stearns 1923a: 231 [Key] :235; Figs. 20, 78-81 [Described, illustrated] Equals *Cercopis obtusa* Say Equals *Clastoptera obtusa obtusa* Ball Equals *Clastoptera achatina* Germ. [error] Equals *Clastoptera testacea* Fitch [error]

- Clastoptera obtusa* Vorhines 1923a: 220 [Economics]<sup>42</sup>  
*Clastoptera obtusa* Comstock 1924a: 404 [Notes]  
*Clastoptera obtusa* Felt 1924a: 359 [Economics]<sup>1</sup>  
*Clastoptera obtusa* Metcalf 1924a: 172 [Ecology]<sup>43</sup>  
*Clastoptera obtusa* Garman 1925a: 308 [Bibliography]  
*Clastoptera obtusa* Leiby 1925a: 44 [Economics]<sup>30</sup>  
*Clastoptera obtusa* Blake 1926a: 58, 59; Pl. IX, Fig. 19A [Ecology, illustrated]<sup>32</sup> :95 [Ecology]  
*Clastoptera obtusa* Essig 1926a: 203 [Economics]<sup>14, 16, 24</sup> Equals *Cercopis* [obtusa Say]  
*Clastoptera obtusa* Ball 1927a: 105 [Key]  
*Clastoptera* [sic] *obtusa* Ball 1927a: 109 [Listed]<sup>1, 7, 12, 44, 45</sup>  
*Clastoptera obtusa pallida* Ball 1927a: 110 [Described, food plants]<sup>2, 23, 46</sup>  
*Clastoptera obtusa* Ball 1927b: 222 [Notes] :222, 223, 224, 225 [Comparative notes]  
*Clastoptera obtusa* Depdolla 1927a: 950 [Spermatogenesis]  
*Clastoptera obtusa* Downes 1927a: 16 [Listed]<sup>36</sup>  
*C*[*lastoptera*] *obtusa* Johnson 1927a: 38 [Listed]<sup>32, 47</sup>  
*C*[*lastoptera*] *obtusa* Leonard 1928a: 146 [Listed]<sup>5, 48</sup>  
*Clastoptera obtusa* Metcalf 1928b: 88 [Economics]<sup>30</sup>  
*Clastoptera obtusa* Brimley 1929a: 30 [Listed]<sup>8</sup>  
*C*[*lastoptera*] *obtusa* Doering 1929a: 58, 59, 62, 63, 65, 66, 68, 70, 71, 73, 92, 95, 96 [Comparative notes] :63; Pl. III, Fig. 7; Pl. VI, Figs. 1, la; Pl. X, Figs. 1, 9; Pl. XIV, Figs. 1, 9; Pl. XVIII, Fig. 6; Pl. XXII, Figs. 5, 5a; Pl. XXIV; Pl. XXVI, Figs. 1, la, lb [Described, illustrated, catalogued]  
*Cercopis obtusa* Doering 1929a: 65 To *Clastoptera obtusa obtusa* Say  
*Clastoptera obtusa pallida* Doering 1929a: 65 To *Clastoptera obtusa obtusa* Say  
*Clastoptera obtusa* Metcalf 1929a: 117 [Economics]<sup>30</sup>  
*Cercopis obtusa* Sherborn 1929a: 4505 [Catalogued]  
*Clastoptera* [sic] *obtusa* Bird 1930a: 407, 439 [Ecology]<sup>49</sup>  
*Clastoptera* [sic] *obtusa* Doering 1930b: 87 [Distribution, food plants]<sup>1</sup>  
*Clastoptera obtusa* Essig 1931a: 753 [Listed]  
*Clastoptera obtusa* Felt and Chamberlain 1935a: 15 [Ecology]<sup>5</sup>  
*Clastoptera obtusa* Ballou 1936b: 455 [Food plants]<sup>50</sup>  
*C*[*lastoptera*] *obtusa* Doane, Van Dyke, Chamberlin, and Burke 1936a: 385 [Economics]<sup>1</sup>  
*Clastoptera obtusa* Daviault 1937a: 107 [Notes, food plants]<sup>7, 37</sup>  
*Clastoptera obtusa* Misra 1937a: 257, 263 [Chromosome number]  
*Clastoptera obtusa* Shelford 1937a: 261 [Ecology]<sup>29</sup>  
*Clastoptera obtusa* Wolcott 1937a: 31 [Ecology]<sup>5</sup>  
*Clastoptera obtusa* Brimley 1938a: 87 [Listed]<sup>30</sup>

- [*Clastoptera*] *obtusa* Britton 1938e: 27 [Listed]<sup>37</sup>  
*C*[*lastoptera*] *obtusa* Proeter 1938a: 84 [Listed]<sup>47</sup>  
*Clastoptera obtusa* Osborn 1939a: 100 [Listed]  
*Clastoptera obtusa* Mozzette, et al. 1940a: 15; Fig. 17 [Economics, illustrated]<sup>1</sup>  
*Clastoptera obtusa* Doering 1942a: 66 [Egg deposition] :67 [Food plants]  
[*Clastoptera*] *obtusa* Metcalf and Bruner 1944a: 123 [Comparative note]  
*Clastoptera obtusa* Moore 1944a: 42 [Listed]<sup>13</sup>  
*Clastoptera obtusa* Thompson 1944a: 34 [Parasites]<sup>1</sup>  
*Clastoptera obtusa* Phillips and Cole 1945a: 29 [Economics]<sup>38</sup>  
[*Clastoptera*] *obtusa* Froesehner 1946a: 31 [Key] :34 [Notes]  
*C*[*lastoptera*] *obtusa* Proeter 1946a: 84 [Listed]<sup>47</sup>  
*Clastoptera obtusa* Ebeling 1950a: 604 [Economics]<sup>1</sup>  
*Clastoptera obtusa* Moore 1950a: 253 [Listed]<sup>13</sup>  
*Clastoptera obtusa* Moore 1950b: 28 [Listed]<sup>13</sup>  
*Clastoptera obtusa pallida* Moore 1950a: 253 [Listed]<sup>13</sup>  
*Clastoptera obtusa pallida* Moore 1950b: 28 [Listed]<sup>13</sup>  
*C*[*lastoptera*] *obtusa* Chandler 1952a: 890 [Food plants]  
*Clastoptera obtusa* Phillips, Cole, and Large 1952a: 29 [Economics]<sup>38</sup>  
*Clastoptera obtusa* Chandler 1953a: 450-454 [Listed]<sup>30</sup>  
*Clastoptera obtusa* Strickland 1953a: 204 [Listed]<sup>51</sup>  
*Clastoptera obtusa* Deay, et al. 1955a: 33 [Listed]

LOCALITIES: <sup>1</sup> United States. <sup>2</sup> Iowa. <sup>3</sup> Pennsylvania. <sup>4</sup> Massachusetts. <sup>5</sup> New York. <sup>6</sup> North America. <sup>7</sup> Canada. <sup>8</sup> Ontario. <sup>9</sup> Texas. <sup>10</sup> Eastern United States. <sup>11</sup> Tamaulipas. <sup>12</sup> Mexico. <sup>13</sup> Quebec. <sup>14</sup> Colorado. <sup>15</sup> New Jersey. <sup>16</sup> California. <sup>17</sup> Georgia. <sup>18</sup> West Indies (?). <sup>19</sup> Guerrero. <sup>20</sup> Panama. <sup>21</sup> Guatemala. <sup>22</sup> Ohio. <sup>23</sup> District of Columbia. <sup>24</sup> New Mexico. <sup>25</sup> Kansas. <sup>26</sup> New Hampshire. <sup>27</sup> Staten Island. <sup>28</sup> Central America. <sup>29</sup> Illinois. <sup>30</sup> North Carolina. <sup>31</sup> Northern United States. <sup>32</sup> Maine. <sup>33</sup> Maryland. <sup>34</sup> Virginia. <sup>35</sup> West Virginia. <sup>36</sup> British Columbia. <sup>37</sup> Connecticut. <sup>38</sup> Florida. <sup>39</sup> Nuevo León. <sup>40</sup> Federal District. <sup>41</sup> Puebla. <sup>42</sup> Arizona. <sup>43</sup> Michigan. <sup>44</sup> West Indies. <sup>45</sup> South America. <sup>46</sup> Wisconsin. <sup>47</sup> Mount Desert Island. <sup>48</sup> Long Island. <sup>49</sup> Manitoba. <sup>50</sup> Costa Rica. <sup>51</sup> Alberta.

*obtusa* var. *a* Bull [obtusa]. See *Clastoptera obtusa* var. *obtusa* Say.

*obtusa* var. *achatina* Germar. See *Clastoptera achatina* Germar.

*obtusa* var. *antica* Fowler. See *Clastoptera antica* Fowler.

*obtusa* var. *arborina* Ball. See *Clastoptera arborina* Ball.

*obtusa* var. *b* Ball [obtusa]. See *Clastoptera obtusa* var. *obtusa* Say.

#### ***obtusa* var. *borealis* Ball**

*Clastoptera obtusa borealis* Ball 1919d: 145 [n. var.]<sup>1, 2, 3, 4, 5, 6</sup>

[*Clastoptera obtusa*] *borealis* Essig 1926a: 203 [Listed]

[*Clastoptera*] *obtusa borealis* Ball 1927a: 105 [Comparative note] :111  
[Described, food plants]<sup>1, 3, 6, 7, 8, 9, 10, 11</sup>

*Clastoptera borealis* Ball 1927b: 224 [Comparative notes]



*C[lastoptera] obtusa borealis* Doering 1929a: 19 [Key] :68, 69, 72 [Comparative notes] :67; Pl. II [Described, illustrated, catalogued]<sup>5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18</sup>

*Clastoptera obtusa borealis* Doering 1930b: 85 [Key]

*Clastoptera obtusa borealis* Brown 1934a: 224 [Listed]<sup>19</sup>

*Clastoptera obtusa borealis* Brimley 1938a: 87 [Listed]<sup>14</sup>

[*Clastoptera*] *obtusa borealis* Doering 1941c: 133 [Key]

*Clastoptera obtusa borealis* Doering 1942a: 67, 70 [Food plants]

*Clastoptera obtusa borealis* Doering 1942b: 73, 76, 80, 87, 90, 91 [Food plants]

[*Clastoptera obtusa*] *borealis* Moore 1944a: 42 [Listed]<sup>20</sup>

[*Clastoptera obtusa*] *borealis* Froeschner 1946a: 32 [Key] :34 [Notes]<sup>8, 13, 21</sup>

*Clastoptera obtusa borealis* Moore 1950a: 253 [Listed]<sup>20</sup>

*Clastoptera obtusa borealis* Moore 1950b: 28 [Listed]<sup>20</sup>

[*Clastoptera*] *borealis* Strickland 1953a: 204 [Listed]<sup>22</sup>

LOCALITIES: <sup>1</sup> Nova Scotia. <sup>2</sup> Wisconsin. <sup>3</sup> West Virginia. <sup>4</sup> Washington. <sup>5</sup> California. <sup>6</sup> Rocky Mountain States. <sup>7</sup> Massachusetts. <sup>8</sup> Iowa. <sup>9</sup> Florida. <sup>10</sup> Colorado. <sup>11</sup> Eastern States. <sup>12</sup> Connecticut. <sup>13</sup> Kansas. <sup>14</sup> North Carolina. <sup>15</sup> North Dakota. <sup>16</sup> New Jersey. <sup>17</sup> New York. <sup>18</sup> Michigan. <sup>19</sup> Ontario. <sup>20</sup> Quebec. <sup>21</sup> Missouri. <sup>22</sup> Alberta.

*obtusa* var. *brachialis* Stål. See *Clastoptera brachialis* Stål.

*obtusa* var. *c* Ball [*obtusa*]. See *Clastoptera obtusa* var. *tristis* Van Duzee.

*obtusa* var. *cimicoides* Germar. See *Clastoptera cimicoides* Germar.

*obtusa* var. *cincticollis* Fitch. See *Clastoptera proteus* Fitch.

*obtusa* var. *darnoides* Germar. See *Clastoptera darnoides* Germar.

*obtusa* var. *flavicollis* Fitch. See *Clastoptera proteus* Fitch.

*obtusa* var. *flavifrons* Germar. See *Clastoptera flavifrons* Germar.

*obtusa* var. *fuscipes* Stål. See *Clastoptera fuscipes* Stål.

*obtusa* var. *fuscomaculata* Stål. See *Clastoptera fuscomaculata* Stål.

*obtusa* var. *juniperina* Ball. See *Clastoptera juniperina* Ball.

*obtusa* var. *lineata* Fowler [nom. nud.]. See *Clastoptera obtusa* var. *obtusa* Say.

*obtusa* var. *lineatocollis* Stål. See *Clastoptera lineatocollis* Stål.

*obtusa lineatocollis* var. *a* Ball. See *Clastoptera lineatocollis* Stål.

*obtusa lineatocollis* var. *b* Ball. See *Clastoptera lineatocollis* Stål.

*obtusa lineatocollis* var. *c* Ball. See *Clastoptera lineatocollis* Stål.

*obtusa lineatocollis* var. *d* Ball. See *Clastoptera lineatocollis* Stål.

*obtusa* var. *nubifera* Stål. See *Clastoptera nubifera* Stål.

***obtusa* var. *obtusa* Say**

*Clastoptera obtusa obtusa* Ball 1896a: 190; Pl. XI, Fig. 2 [Described, illustrated] :191 [Zoogeography]<sup>1</sup>

*Clastoptera obtusa obtusa* var. *a* Ball 1896a: 190 [n. var.]<sup>2, 3, 4, 5, 6, 7, 8, 9</sup>

*Clastoptera obtusa obtusa* var. *b* Ball 1896a: 190 [n. var.]<sup>2, 5, 7</sup>



[*Clastoptera*] *lineata* Fowler 1898a: 202 (nom. nud.) To *Clastoptera obtusa*

[*Clastoptera obtusa*] *obtusa* Smith 1900a: 90 [Listed]

[*Clastoptera obtusa*] *obtusa* Lallemand 1912a: 24; Pl. 1, Figs. 3, 3a [Catalogued, illustrated]

[*Clastoptera obtusa*] *lineata* Lallemand 1912a: 24 [nom. nud., catalogued] Equals [*Clastoptera obtusa*] var. *a* Ball Equals [*Clastoptera obtusa*] var. *b* Ball

*Clastoptera obtusa obtusa* Van Duzee 1914a: 48 [Listed]<sup>10</sup>

[*Clastoptera*] *lineata* Van Duzee 1916a: 58 [nom. nud.] To [*Clastoptera*] *obtusa* Say

[*Clastoptera*] *lineata* Van Duzee 1917b: 518 [nom. nud.] To *Clastoptera obtusa* Say

[*Clastoptera obtusa*] *obtusa* Britton 1920a: 56 [Listed]<sup>11</sup>

*Clastoptera obtusa obtusa* McAtee 1920b: 176 [Notes, key]<sup>6, 7</sup>

*Clastoptera obtusa obtusa* Stearns 1923a: 235 To [*Clastoptera*] *obtusa* Say :236 [Described]<sup>2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23</sup>

[*Clastoptera obtusa*] *obtusa* Ball 1927a: 110, 111, 112 [Comparative notes] :111 [Described, food plants]<sup>2</sup>

[*Clastoptera*] *obtusa obtusa* Doering 1929a: 19 [Key] :65; Pl. II [Described, illustrated, catalogued]<sup>2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30</sup> Equals *Clastoptera obtusa pallida*

Ball Equals *Cercopis obtusa* Say

*Clastoptera obtusa obtusa* Van Duzee 1929e: 62 [Listed]

*Clastoptera obtusa obtusa* Doering 1930b: 85 [Key]

[*Clastoptera*] *obtusa obtusa* Doering 1941c: 133 [Key]

*Clastoptera obtusa obtusa* Doering 1942a: 67, 69, 70 [Food plants]

*Clastoptera obtusa obtusa* Doering 1942b: 73, 79, 80, 84, 87, 89, 90, 91 [Food plants]

[*Clastoptera obtusa*] *obtusa* Froeschner 1946a: 31 [Key]

LOCALITIES: <sup>1</sup> Mississippi Valley States. <sup>2</sup> Iowa. <sup>3</sup> New Hampshire. <sup>4</sup> Massachusetts. <sup>5</sup> New York. <sup>6</sup> Maryland. <sup>7</sup> District of Columbia. <sup>8</sup> West Virginia. <sup>9</sup> Ontario. <sup>10</sup> California. <sup>11</sup> Connecticut. <sup>12</sup> Maine. <sup>13</sup> Vermont. <sup>14</sup> Pennsylvania. <sup>15</sup> North Carolina. <sup>16</sup> South Carolina. <sup>17</sup> Tennessee. <sup>18</sup> Ohio. <sup>19</sup> Wisconsin. <sup>20</sup> Minnesota. <sup>21</sup> Illinois. <sup>22</sup> Kansas. <sup>23</sup> Colorado. <sup>24</sup> Michigan. <sup>25</sup> Nebraska. <sup>26</sup> New Jersey. <sup>27</sup> South Dakota. <sup>28</sup> Texas. <sup>29</sup> Virginia. <sup>30</sup> Quebec.

*obtusa obtusa* var. *a* Bull. See *Clastoptera obtusa* var. *obtusa* Say.

*obtusa obtusa* var. *b* Ball. See *Clastoptera obtusa* var. *obtusa* Say.

*obtusa obtusa* var. *c* Ball. See *Clastoptera obtusa* var. *tristis* Van Duzee.

*obtusa* var. *obtusata* Stål. See *Clastoptera obtusata* Stål.

*obtusa* var. *orbiculata* Fowler [nom. nud.]. See *Clastoptera obtusa* Say.

*obtusa* var. *osborni* Gillette and Baker. See *Clastoptera osborni* Gillette and Baker.

*obtusa osborni* var. *a* Ball. See *Clastoptera osborni* Gillette and Baker.

*obtusa osborni* var. *b* Ball. See *Clastoptera testacea* Fitch.

*obtusa osborni* var. *c* Ball. See *Clastoptera testacea* Fitch.

*obtusa* var. *pallida* Ball. See *Clastoptera obtusa* Say.

*obtusa* var. *pallidiceps* Stål. See *Clastoptera pallidiceps* Stål.

*obtusa* var. *pini* Fitch. See *Clastoptera testacea* Fitch.

*obtusa* var. *sahlbergi* Stål. See *Clastoptera sahlbergi* Stål.

*obtusa* var. *stolida* Uhler. See *Clastoptera stolida* Uhler.

*obtusa* var. *testacea* Fitch. See *Clastoptera testacea* Fitch.

*obtusa* var. *tibialis* Stål. See *Clastoptera tibialis* Stål.

***obtusa* var. *tristis* Van Duzee**

*Clastoptera obtusa obtusa* var. *c* Ball 1896a: 190 [n. var.]<sup>1</sup> Equals  
[*Clastoptera*] *achatina* [error]

[*Clastoptera obtusa*] var. *c* Lallemand 1912a: 24 To [*Clastoptera obtusa*]  
*achatina* Germ. [error]

[*Clastoptera obtusa*] *tristis* Van Duzee 1912a: 508 Nom. nov. pro  
[*Clastoptera obtusa obtusa* var. *c*] Ball [1896] [Notes, catalogued]

*Clastoptera obtusa tristis* Van Duzee 1912b: 327 Equals *Clastoptera*  
*proteus* Fitch [error]

[*Clastoptera obtusa*] *tristis* Van Duzee 1916a: 58 Equals [*Clastoptera*]  
*achatina* Ball [in part.] Equals [*Clastoptera*] *proteus* Prov. [in part.]

[*Clastoptera obtusa*] *tristis* Van Duzee 1917b: 518 [Catalogued] Equals  
[*Clastoptera*] *achatina* Ball [in part.] Equals [*Clastoptera*] *proteus*  
Prov. [in part.]

[*Clastoptera obtusa*] *tristis* McAtee 1920b: 175 [Key] :176 [Listed]<sup>2</sup>

[*Clastoptera obtusa*] *tristis* Moore 1920a: 24 [Listed]

[*Clastoptera obtusa*] *tristis* Essig 1926a: 203 [Listed]

[*Clastoptera*] *obtusa tristis* Ball 1927a: 105 [Comparative note] :111  
[Described, food plants]<sup>3, 4, 5, 6, 7</sup>

*Clastoptera obtusa tristis* Ball 1927b: 224 [Comparative note]

C[*lastoptera*] *obtusa tristis* Doering 1929a: 19 [Key] :65 [Comparative  
note] :66; Pl. II [Described, illustrated, catalogued]<sup>1, 3, 5, 6, 7, 8,</sup>  
9, 10, 11, 12, 13, 14, 15, 16, 17, 18

*Clastoptera obtusa* var. *c* Doering 1929a: 69 To *Clastoptera achatina*  
Germ. [error]

*Clastoptera obtusa tristis* Doering 1930b: 85 [Key]

*Clastoptera obtusa tristis* Brimley 1938a: 87 [Listed]<sup>15</sup>

[*Clastoptera*] *obtusa tristis* Doering 1941c: 133 [Key]

*Clastoptera obtusa tristis* Doering 1942a: 67 [Food plants]

*Clastoptera obtusa tristis* Doering 1942b: 74, 90, 91 [Food plants]

[*Clastoptera obtusa*] *tristus* [sic] Moore 1944a: 42 [Listed]<sup>18</sup>

[*Clastoptera obtusa*] *tristis* Froeschner 1946a: 31 [Key] :34 [Notes]<sup>19</sup>

*Clastoptera obtusa tristis* Moore 1950a: 253 [Listed]<sup>18</sup>

*Clastoptera obtusa tristis* Moore 1950b: 28 [Listed]<sup>18</sup>

LOCALITIES: <sup>1</sup> Pennsylvania. <sup>2</sup> Maryland. <sup>3</sup> Iowa. <sup>4</sup> Ontario. <sup>5</sup> Colorado. <sup>6</sup> California. <sup>7</sup> Florida. <sup>8</sup> Alabama. <sup>9</sup> Arizona. <sup>10</sup> Kansas. <sup>11</sup> Maine. <sup>12</sup> Massachusetts. <sup>13</sup> Michigan. <sup>14</sup> New Jersey. <sup>15</sup> North Carolina. <sup>16</sup> New York. <sup>17</sup> Ohio. <sup>18</sup> Quebec. <sup>19</sup> Missouri.

*obtusa* var. *tristis*. Typographical error for *Clastoptera obtusa* var. *tristis* Van Duzee.

*obtusa* var. *undulata* Uhler. See *Clastoptera undulata* Uhler.

### **obtusata** Stål

*C[lastoptera] obtusata* Stål 1854b: 253 [n. sp.]<sup>1</sup>

*Clastoptera obtusata* Walker 1858b: 260 [Catalogued]<sup>1</sup>

*[Clastoptera] obtusata* Dohrn 1859a: 69 [Listed]<sup>1</sup>

*C[lastoptera] obtusata* Stål 1862c: 17 [Described, catalogued]<sup>2</sup>

*Clastoptera obtusata* Lallemand 1912a: 23 To *C[lastoptera] darnoides* Germ. [error]

*[Clastoptera] obtusa obtusata* Ball 1927b: 223 [Notes]<sup>1</sup> Equals *[Clastoptera] obtusata* Stål

LOCALITIES: <sup>1</sup> Brazil. <sup>2</sup> Rio de Janeiro.

### **ochrospila** Jacobi

*Clastoptera ochrospila* Jacobi 1908a: 202 [n. sp.]<sup>1, 2</sup>

*C[lastoptera] ochrospila* Lallemand 1912a: 24 [Catalogued]

*Clastoptera ochrospila* Ball 1927b: 223, 225 [Notes]<sup>1, 2</sup>

LOCALITIES: <sup>1</sup> Peru. <sup>2</sup> Bolivia.

### **ochrospila** var. *nuba* Ball

*Clastoptera ochrospila nuba* Ball 1927b: 225 [n. var.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Peru.

*orbiculata* Fowler [nom. nud.]. See *Clastoptera obtusa* Say.

### **osborni** Gillette and Baker

*Clastoptera osborni* Gillette and Baker 1895a: 70; 2 figs. [n. sp., illustrated]<sup>1</sup>

*Clastoptera obtusa osborni* var. *a* Ball 1896a: 190 [n. var.]<sup>1, 2, 3, 4</sup> :192 [Zoogeography]

*Clastoptera obtusa osborni* Ball 1896a: 190; Pl. XI, Fig. 3 [Described, illustrated]

*C[lastoptera] osborni* Ball 1896a: 191 [Described, catalogued] :188 To *Clastoptera obtusa* Say [error]

*Clastoptera osborni* Baker 1900b: 463 [Notes] :464 [Comparative note]

*[Clastoptera] obtusa osborni* Tucker 1907a: 65 [Listed]<sup>5</sup>

*C[lastoptera] osborni* Lallemand 1912a: 24 [Catalogued]

*[Clastoptera] osborni* Van Duzee 1916a: 58 [Listed]<sup>6</sup> Equals *[Clastoptera] obtusa* Van D. [in part.]

*Clastoptera osborni* Van Duzee 1917b: 518 [Catalogued]<sup>1, 7, 8</sup> Equals [*Clastoptera*] *obtusa* Van D. [in part.] Equals [*Clastoptera obtusa osborni*] Ball

[*Clastoptera osborni* Stearns 1923a: 231 [Key, described]<sup>1, 2, 3, 4, 7, 9</sup> Equals *Clastoptera obtusa osborni* Ball

*Clastoptera osborni* Doering 1926a: 85 [Comparative note]

*Clastoptera osborni* Ball 1927a: 109 To *Clastoptera obtusa testacea* Fitch [error]

*Clastoptera obtusa osborni* Ball 1927a: 109 To *Clastoptera obtusa testacea* Fitch [error]

*Clastoptera osborni* Doering 1929a: 19 [Key] :55, 58, 59, 62, 63 [Comparative notes] :56; Pl. I, Fig. 30; Pl. III, Fig. 7; Pl. V, Fig. 9; Pl. IX, Figs. 1, 11; Pl. XIII, Figs. 7, 14; Pl. XVII, Fig. 2; Pl. XXI, Figs. 7, 7a; Pl. XXIV; Pl. XXV, Figs. 11, 11a, 11b [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 7, 8, 9, 10</sup> Equals *Clastoptera obtusa osborni* Gill. and Bak. Equals *Clastoptera obtusa testacea* Fitch [error] Equals *Clastoptera obtusa* Van D. [in part.]

*Clastoptera osborni* Knowlton 1929b: 45 [Listed]<sup>11</sup>

*Clastoptera osborni* Doering 1930b: 83 [Key] :87 [Distribution, food plants]<sup>1</sup>

*Clastoptera osborni* Essig 1931a: 724 [Listed]

[*Clastoptera osborni* Doering 1941c: 132 [Key]

*Clastoptera osborni* Doering 1942b: 74, 87 [Food plants]

LOCALITIES: <sup>1</sup> Colorado. <sup>2</sup> Wisconsin. <sup>3</sup> District of Columbia. <sup>4</sup> West Virginia.

<sup>5</sup> Kansas. <sup>6</sup> Western States. <sup>7</sup> New Mexico. <sup>8</sup> Arizona. <sup>9</sup> Ohio. <sup>10</sup> Texas.

<sup>11</sup> Utah.

*osborni* var. *a* Bull [obtusa]. See *Clastoptera osborni* Gillette and Baker.

*osborni* var. *b* Ball [obtusa]. See *Clastoptera testacea* Fitch.

*osborni* var. *c* Ball [obtusa]. See *Clastoptera testacea* Fitch.

*osceola* Ball (var.). See *Clastoptera proteus* var. *osceola* Ball.

### **ovata** Doering

*Clastoptera ovata* Doering 1929a: 90; Pl. II; Pl. III, Fig. 12; Pl. VII, Fig. 7; Pl. XI, Figs. 1, 12; Pl. XV, Figs. 5, 16; Pl. XIX, Fig. 4; Pl. XXIII, Figs. 5, 5a; Pl. XXIV; Pl. XXVII, Figs. 9, 9a [n. sp., illustrated]<sup>1, 2, 3, 4</sup> :19 [Key] :65, 66, 85, 86, 91, 92 [Comparative notes]

*Clastoptera ovata* Doering 1930b: 84 [Key]

[*Clastoptera ovata* Doering 1941c: 133 [Key]

*Clastoptera ovata* Doering 1942b: 74 [Food plants]

LOCALITIES: <sup>1</sup> California. <sup>2</sup> Oregon. <sup>3</sup> Wyoming. <sup>4</sup> British Columbia.

*pallida* Ball (var.). See *Clastoptera obtusa* Say.

### **pallidiceps** Stål

*Clastoptera pallidiceps* Stål 1862c: 16 [n. sp.]<sup>1</sup>

*Clastoptera pallidiceps* Lallemand 1912a: 25 To *Clastoptera scutellata* Germ. [error]

[*Clastoptera*] *obtusa pallidiceps* Ball 1927b: 223 [Notes] Equals [*Clastoptera*] *pallidiceps* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro.

### **pallidocephala** Doering

*Clastoptera pallidocephala* Doering 1929a: 87; Pl. II; Pl. III, Fig. 11; Pl. VII, Fig. 5; Pl. XI, Figs. 3, 13; Pl. XV, Figs. 8, 13; Pl. XIX, Fig. 9; Pl. XXIII, Figs. 7, 7a; Pl. XXIV; Pl. XXVII, Figs. 7, 7a [n. sp., illustrated]<sup>1, 2, 3</sup> :20 [Key] :65, 66, 85, 86, 91 [Comparative notes]

*Clastoptera pallidocephala* Doering 1930b: 85 [Key]

[*Clastoptera*] *pallidocephala* Doering 1941c: 133 [Key]

*Clastoptera pallidocephala* Doering 1942b: 74, 84, 87 [Food plants]

LOCALITIES: <sup>1</sup> Arizona. <sup>2</sup> California. <sup>3</sup> New Mexico.

### **picturata** Stål

*Clastoptera picturata* Stål 1862e: 16 [n. sp.]<sup>1</sup>

[*Clastoptera*] *proteus picturata* Ball 1927b: 223 [Notes] Equals

[*Clastoptera*] *picturata* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro.

*pina*. Typographical error for *Clastoptera pini* Fitch. See *Clastoptera testacea* Fitch.

*pini* Fitch. See *Clastoptera testacea* Fitch.

*pini* var. *a* Fitch. See *Clastoptera testacea* Fitch.

*pini* var. *b* Fitch. See *Clastoptera testacea* Fitch.

### **proteus** Fitch

*Clastoptera proteus* Fitch 1851a: 54 [n. sp., food plants]<sup>1</sup>

[*Clastoptera proteus*] *cincticollis* Fitch 1851a: 54 [n. subsp.]<sup>1</sup>

[*Clastoptera proteus cincticollis*] var. *a* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus cincticollis*] var. *b* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus cincticollis*] var. *c* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus cincticollis*] var. *d* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus*] *flavicollis* Fitch 1851a: 54 [n. subsp.]<sup>1</sup>

[*Clastoptera proteus flavicollis*] var. *a* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus flavicollis*] var. *b* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus*] *maculicollis* Fitch 1851a: 54 [n. subsp.]<sup>1</sup>

[*Clastoptera proteus maculicollis*] var. *a* Fitch 1851a: 54 [n. var.]<sup>1</sup>

[*Clastoptera proteus maculicollis*] var. *b* Fitch 1851a: 55 [n. var.]<sup>1</sup>

[*Clastoptera proteus maculicollis*] var. *c* Fitch 1851a: 55 [n. var.]<sup>1</sup>

*Clastoptera proteus* Walker 1852a: 1160 [Catalogued]<sup>1</sup> Equals [*Clastoptera proteus*] *flavicollis* Fitch Equals [*Clastoptera proteus flavicollis*] var. *a* Fitch Equals [*Clastoptera proteus flavicollis*] var. *b* Fitch



- Equals [*Clastoptera proteus*] *cincticollis* Fitch Equals [*Clastoptera proteus cincticollis*] var. *a* Fitch Equals [*Clastoptera proteus cincticollis* var. *b*] Fitch Equals [*Clastoptera proteus cincticollis* var. *c*] Fitch Equals [*Clastoptera proteus cincticollis*] var. *d* Fitch Equals [*Clastoptera proteus*] *maculicollis* Fitch Equals [*Clastoptera proteus maculicollis*] var. *a* Fitch Equals [*Clastoptera proteus maculicollis* var. *b* Fitch] Equals [*Clastoptera proteus maculicollis*] var. *c* Fitch Equals [*Clastoptera proteus*] *nigricollis* Fitch Equals [*Clastoptera proteus nigricollis*] var. *a* Fitch Equals [*Clastoptera proteus nigricollis* var. *b*] Fitch Equals [*Clastoptera proteus nigricollis* var. *c*] Fitch Equals [*Clastoptera proteus nigricollis*] var. *d* Fitch
- Clastoptera proteus* Walker 1858b: 260 [Catalogued]<sup>1</sup>
- Clastoptera proteus* Harris 1863a: 225; Pl. III, Fig. 6 [Economics, illustrated]<sup>2</sup>
- C[lastoptera] proteus* Uhler 1864a: 160 [Comparative note]
- Clastoptera proteus* Packard 1869a: 532 [Notes, ecology]
- C[lastoptera] proteus* Uhler 1876a: 348 [Comparative note]
- Clastoptera proteus* Glover 1877a: 31; Fig. 28 [Described, illustrated]<sup>3</sup>
- Equals *Cercopis* [*proteus*]
- Clastoptera proteus* Glover 1878a: 1; Pl. 2, Fig. 4 [Illustrated]<sup>3</sup> Equals *Cercopis* [*proteus*]
- [*Clastoptera*] *proteus* Brodie and White 1883a: 58 [Listed]<sup>4</sup>
- Clastoptera proteus* Fletcher 1883a: 78 [Economics]<sup>5</sup>
- C[lastoptera] proteus* Uhler 1884a: 244; Fig. 309 [Notes, illustrated, food plants]<sup>3, 4, 6, 7, 8, 9, 10</sup>
- Clastoptera proteus* Comstock 1888a: 178 [Notes]
- Clastoptera proteus* Packard 1888a: 532 [Notes]
- C[lastoptera] proteus* Uhler 1888c: 244; Fig. 309 [Notes, illustrated, food plants]<sup>3, 4, 6, 7, 8, 9, 10</sup>
- Clastoptera proteus* Lintner 1889a: 245 [Food plants]<sup>11</sup>
- [*Clastoptera*] *proteus* Provancher 1889a: 259 [Key] :260 [Described]<sup>4</sup>
- Equals *Clastoptera saintcyri* Prov. [error]
- Clastoptera proteus* Van Duzee 1889b: 8 [Listed]<sup>5</sup>
- C[lastoptera] proteus* Smith 1890a: 443 [Listed]
- Clastoptera proteus* Van Duzee 1890c: 388 [Taxonomy]
- Clastoptera proteus* Fernald 1891a: 11 [Food plants]<sup>2</sup>
- Clastoptera proteus* Harrington 1892a: 31 [Listed]<sup>5</sup>
- Clastoptera* [sic] *proteus* Osborn 1892a: 127 (13) [Listed]<sup>9</sup>
- C[lastoptera] proteus* Southwick 1892b: 318 [Listed]<sup>1</sup>
- C[lastoptera] proteus* Fitch 1893a: 394 (54) [n. sp., reprinted, food plants]<sup>1</sup>
- [*Clastoptera proteus*] *cincticollis* Fitch 1893a: 394 (54) [n. subsp., reprinted]<sup>1</sup>

- [*Clastoptera proteus cincticollis*] var. *a* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus cincticollis*] var. *b* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus cincticollis*] var. *c* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus cincticollis*] var. *d* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus*] *flavicollis* Fitch 1893a: 394 (54) [n. subsp., reprinted]<sup>1</sup>
- [*Clastoptera proteus flavicollis*] var. *a* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus flavicollis*] var. *b* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus*] *maculicollis* Fitch 1893a: 394 (54) [n. subsp., reprinted]<sup>1</sup>
- [*Clastoptera proteus maculicollis*] var. *a* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus maculicollis*] var. *b* Fitch 1893a: 395 (55) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus maculicollis*] var. *c* Fitch 1893a: 395 (55) n. var., reprinted]<sup>1</sup>
- Clastoptera proteus* Van Duzee 1894e: 194 [Food plants]<sup>1</sup>
- Clastoptera proteus* Goding 1895b: 500 [Catalogued]<sup>1, 2, 4, 5, 11, 12, 13, 14</sup>
- Equals *Clastoptera proteus flavicollis* Fitch Equals *Clastoptera proteus cincticollis* Fitch Equals *Clastoptera proteus maculicollis* Fitch Equals *Clastoptera proteus nigricollis* Fitch
- Clastoptera proteus* Ball 1896a: 184 [Key, comparative note] :186; Pl. XI, Fig. 6; Pl. XIII, Figs. 3, 5, 9 [Described, illustrated, catalogued]<sup>1, 2, 5, 9, 12, 13, 14, 15, 16, 17, 18</sup> Equals *Clastoptera saintcyri* Prov. [error] :192 [Economies]
- [*Clastoptera proteus*] *flavicollis* Ball 1896a: 186 [Described]
- [*Clastoptera proteus flavicollis*] var. *a* Ball 1896a: 186 [Described]
- [*Clastoptera proteus flavicollis*] var. *b* Ball 1896a: 186 [Described]
- [*Clastoptera proteus*] *cincticollis* Ball 1896a: 186 [Described]
- [*Clastoptera proteus cincticollis*] var. *a* Ball 1896a: 186 [Described]
- [*Clastoptera proteus cincticollis*] var. *b* Ball 1896a: 186 [Described]
- [*Clastoptera proteus cincticollis*] var. *c* Ball 1896a: 186 [Described]
- [*Clastoptera proteus cincticollis*] var. *d* Ball 1896a: 186 [Described]
- [*Clastoptera proteus*] *maculicollis* Ball 1896a: 186 [Described]
- [*Clastoptera proteus maculicollis*] var. *a* Ball 1896a: 186 [Described]
- [*Clastoptera proteus maculicollis*] var. *b* Ball 1896a: 186 [Described]

- [*Clastoptera proteus maeulicollis*] var. *c* Ball 1896a: 186 [Described]  
*C[lastoptera] proteus* Fowler 1897b: 199 [Comparative note]  
[*Clastoptera proteus* Ball 1899a: 205 [Listed]<sup>19, 20</sup>  
*Clastoptera proteus* Lugger 1900a: 120; Fig. 115 [Economics, illustrated]<sup>8</sup>  
*Clastoptera proteus* Osborn 1900c: 65 [Listed]<sup>3</sup>  
*C[lastoptera] proteus* Osborn 1900f: 11 [Listed]<sup>21</sup>  
*C[lastoptera] proteus* Smith 1900a: 90 [Listed]<sup>12</sup>  
*Clastoptera proteus* Van Duzee 1903a: 112 [Comparative note]  
*Clastoptera proteus* Kellogg 1904a: 171 [Notes]<sup>22</sup>  
*C[lastoptera] protea* Wirtner 1904a: 216 [Listed]<sup>15</sup>  
[*Clastoptera proteus* Crevecoeur 1905a: 235 [Ecology]<sup>24</sup>  
*Clastoptera proteus* Van Duzee 1905a: 553 [Ecology]<sup>1</sup>  
*Clastoptera proteus* Felt 1906a: 598 [Food plants]<sup>1</sup>  
*Clastoptera proteus* Felt 1906b: 154 [Food plants]<sup>1</sup>  
*Clastoptera proteus* Van Duzee 1906a: 409 [Notes]<sup>5</sup>  
*Clastoptera proteus* Baker 1907a: 116 [Notes]  
*Clastoptera proteus* Fletcher and Gibson 1907a: 103 [Listed]<sup>5</sup>  
*Clastoptera proteus* Moore 1907a: 189 [Listed]<sup>16</sup>  
*Clastoptera proteus* Van Duzee 1907a: 50 [Comparative note]  
*Clastoptera proteus* Guilbeau 1908a: 783 [Formation of froth]<sup>1</sup>  
*Clastoptera proteus* Kellogg 1908a: 171 [Notes, economics]  
*Clastoptera proteus* Van Duzee 1908b: 115 [Listed]<sup>16</sup>  
*Clastoptera proteus* Saunders 1909a: 374 [Economics]  
*C[lastoptera] obtusa cineticollis* Felt 1910b: 121 Equals [*Clastoptera*]  
*pini* Fitch [error]  
*C[lastoptera] obtusa flavicollis* Felt 1910b: 121 Equals [*Clastoptera*]  
*pini* Fitch [error]  
*C[lastoptera] proteus maeulicollis* Felt 1910b: 121 [Listed]  
*C[lastoptera] proteus* Smith 1910a: 99 [Listed]<sup>12</sup>  
*C[lastoptera] proteus* Lallemant 1912a: 24; Pl. 1, Figs. 1, la [Illustrated, catalogued]<sup>22</sup>  
*Clastoptera proteus* Licent 1912a: 57 [Listed]  
*Clastoptera proteus* Van Duzee 1912a: 509 [Notes]  
[*Clastoptera proteus*] *eineticollis* Van Duzee 1912a: 509 [Listed]  
[*Clastoptera proteus*] *flavicollis* Van Duzee 1912a: 509 [Listed]  
[*Clastoptera proteus*] *maeulicollis* Van Duzee 1912a: 509 [Listed]  
*Clastoptera proteus* Van Duzee 1912b: 327 To *Clastoptera obtusa tristis*  
Van D. [error]  
*Clastoptera proteus* Shelford 1913a: 277 [Ecology]<sup>14</sup>  
*Clastoptera proteus* Boring and Fogler 1915a: 314; Figs. 16–17 [Chromosomes illustrated, food plants]<sup>2, 25</sup>



- Clastoptera proteus* Metcalf 1915a: 48 (16) [Listed]<sup>26</sup>  
*Clastoptera proteus* Harvey 1916a: 41 [Chromosome number]  
*Clastoptera proteus* Osborn 1916b: 284; Figs. 43a-b, 50g-i [Life history, economics, illustrated]<sup>25</sup>  
*Clastoptera proteus* Osborn 1916b: 287 [Food plants]<sup>25</sup>  
[Clastoptera] *proteus* Van Duzee 1916a: 58 [Listed]<sup>14, 11</sup> Equals [Clastoptera] *flavicolis* Fitch Equals [Clastoptera] *cincticollis* Fitch Equals [Clastoptera] *maculicollis* Fitch Equals [Clastoptera] *nigricollis* Fitch  
*Clastoptera proteus* Scammell 1917b: 36 [Economics]<sup>2, 12, 27</sup>  
*Clastoptera proteus* Van Duzee 1917b: 519 [Catalogued]<sup>1, 2, 5, 6, 7, 12, 13, 14, 15, 16, 17, 18, 26, 28</sup> Equals [Clastoptera] *saintcyri* Prov. [error] Equals [Clastoptera] *flava* Ball  
*Clastoptera proteus* Baerg 1920a: 21 [Notes]  
[Clastoptera] *proteus* Britton 1920a: 56 [Listed]<sup>28</sup>  
[Clastoptera] *proteus* McAtee 1920b: 174 [Key, key to varieties] :175 [Comparative note]  
C[*lastoptera*] *proteus* Moore 1920a: 24 [Listed]<sup>5, 16</sup> :25 [Food plants, life history notes]  
*Clastoptera proteus* Osborn 1922c: 28 [Ecology]<sup>1</sup>  
*Clastoptera proteus* Patch 1922a: 373 [Economics]<sup>25</sup>  
*Clastoptera proteus* Boring 1923a: 91 [Cytology]  
[Clastoptera] *proteus* Stearns 1923a: 231 [Key] :234; Pl. IV, Fig. 30; Text fig. 20, (70-73) [Described, illustrated]<sup>28</sup> Equals *Clastoptera proteus flavicollis* Equals *Clastoptera proteus cincticollis* Equals *Clastoptera proteus maculicollis* Equals *Clastoptera proteus nigricollis* Equals *Clastoptera proteus vittata* Ball. [error] Equals *Clastoptera pini* Fitch [error] Equals *Clastoptera saintcyri* Prov. [error]  
*Clastoptera proteus* Comstock 1924a: 403 [Notes]  
*Clastoptera proteus* Garman 1925a: 307 [Eggs described]<sup>28</sup>  
*Clastoptera proteus* Doering 1926a: 85; Figs. 1, 3, 5 [Comparative note, illustrated]  
*Clastoptera proteus* Ball 1927a: 105 [Key] :106 [Notes, food plants]<sup>5, 6, 7, 19, 29, 30, 31, 32, 33</sup> :108 [Comparative note] :111, 112 [Notes]  
*Clastoptera proteus cincticollis* Ball 1927a: 107 [Described]  
*Clastoptera proteus flavicollis* Ball 1927a: 107 [Described]  
*Clastoptera proteus maculicollis* Ball 1927a: 107 [Described]  
*Clastoptera proteus* Ball 1927b: 222 [Notes]<sup>22</sup> :223 [Comparative note]  
*Clastoptera proteus* Downes 1927a: 16 [Listed]<sup>34</sup>  
C[*lastoptera*] *proteus* Johnson 1927a: 38 [Listed]<sup>25, 35</sup>  
C[*lastoptera*] *proteus* Leonard 1928a: 147 [Listed]<sup>1</sup>  
*Clastoptera proteus* Box 1929a: 8; Fig. 3 [Nymph illustrated]



- Clastoptera proteus* Brimley 1929a: 30 [Listed]<sup>5</sup>  
*C[lastoptera] proteus* Doering 1929a: 23, 51, 52 [Comparative notes]  
 :34; Pl. I, Figs. 17, 18, 20, 21, 22, 24, 25; Pl. III, Fig. 5; Pl. V, Fig.  
 3; Pl. IX, Figs. 3, 8; Pl. XIII, Figs. 4, 11; Pl. XVII, Fig. 6; Pl.  
 XXI, Figs. 1, 1a; Pl. XXV, Figs. 5, 5a, 5b [Described, illustrated,  
 catalogued] :41 To *Clastoptera proteus nigricollis* Fitch  
*Clastoptera proteus flavicollis* Doering 1929a: 40 To *Clastoptera proteus*  
*proteus* Fitch  
*Clastoptera proteus maculicollis* Doering 1929a: 40 To *Clastoptera*  
*proteus proteus* Fitch  
*Clastoptera proteus eincticollis* Doering 1929a: 40 To *Clastoptera proteus*  
*proteus* Fitch  
*[Clastoptera] proteus* Doering 1930b: 87 [Food plants]  
*C[lastoptera] proteus* Johnson 1930a: 33 [Listed]<sup>2, 36</sup>  
*Clastoptera proteus* Phipps 1930a: 122 [Economics]<sup>25</sup> :187 [Listed]<sup>25</sup>  
*Clastoptera proteus* Britton 1933a: 88 [Economics]<sup>28</sup>  
*Clastoptera proteus* Doane, Van Dyke, Chamberlin, and Burke 1936a:  
 384 [Economics]<sup>11</sup>  
*Clastoptera proteus* Misra 1937a: 258, 263 [Chromosome number]  
*Clastoptera proteus* Shelford 1937a: 277 [Ecology]<sup>14</sup>  
*C[lastoptera] proteus* Procter 1938a: 84 [Listed]<sup>35</sup>  
*Clastoptera proteus* Schmidt 1939a: 137 [Listed]  
*Clastoptera proteus* Comstock 1940a: 403 [Notes]  
*Clastoptera proteus* Doering 1942a: 66 [Egg deposition]  
*Clastoptera proteus* McGill 1944a: 11 [Food plants]<sup>1</sup>  
*[Clastoptera] proteus* Moore 1944a: 42 [Listed]<sup>16</sup>  
*[Clastoptera] proteus* Froeschner 1946a: 31 [Key] :34 [Notes]<sup>23</sup>  
*Clastoptera proteus* Muesebeck 1946a: 430, 440 [Listed]  
*C[lastoptera] proteus* Procter 1946a: 84 [Listed]<sup>35</sup>  
*Clastoptera proteus* Hoffman, Townes, Swift, and Sailer 1949a: 19  
 [Ecology]<sup>15</sup>  
*Clastoptera proteus* Moore 1950a: 253 [Listed]<sup>16</sup>  
*Clastoptera proteus* Moore 1950b: 28 [Listed]<sup>16</sup>  
*Clastoptera proteus* Muesebeck 1950a: 120, 130 [Listed]  
*Clastoptera proteus* Deay, et al. 1955a: 6, 19 [Listed]

LOCALITIES: <sup>1</sup> New York. <sup>2</sup> Massachusetts. <sup>3</sup> United States. <sup>4</sup> Canada. <sup>5</sup> Ontario.  
<sup>6</sup> Florida. <sup>7</sup> Texas. <sup>8</sup> Minnesota. <sup>9</sup> Iowa. <sup>10</sup> Washington. <sup>11</sup> Eastern States.  
<sup>12</sup> New Jersey. <sup>13</sup> District of Columbia. <sup>14</sup> Illinois. <sup>15</sup> Pennsylvania. <sup>16</sup> Quebec.  
<sup>17</sup> New Hampshire. <sup>18</sup> West Virginia. <sup>19</sup> Mexico. <sup>20</sup> Vera Cruz. <sup>21</sup> Ohio. <sup>22</sup> North  
 America. <sup>23</sup> Missouri. <sup>24</sup> Kansas. <sup>25</sup> Maine. <sup>26</sup> North Carolina. <sup>27</sup> Wisconsin.  
<sup>28</sup> Connecticut. <sup>29</sup> Northeastern States. <sup>30</sup> Eastern Canada. <sup>31</sup> Montana.  
<sup>32</sup> Utah. <sup>33</sup> Haiti. <sup>34</sup> British Columbia. <sup>35</sup> Mount Desert Island. <sup>36</sup> Nantucket  
 Island.



- proteus* var. *anceps* McAtee. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*proteus* var. *candens* McAtee. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*proteus cincticollis* Fitch. See *Clastoptera proteus* Fitch.  
*proteus cincticollis* var. *a* Fitch. See *Clastoptera proteus* Fitch.  
*proteus cincticollis* var. *b* Fitch. See *Clastoptera proteus* Fitch.  
*proteus cincticollis* var. *c* Fitch. See *Clastoptera proteus* Fitch.  
*proteus cincticollis* var. *d* Fitch. See *Clastoptera proteus* Fitch.  
*proteus flava* Ball. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*proteus flava* var. *a* Ball. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*proteus flava* var. *b* Ball. See *Clastoptera proteus* var. *nigricollis* Fitch.  
*proteus flavicollis* Fitch. See *Clastoptera proteus* Fitch.  
*proteus flavicollis* var. *a* Fitch. See *Clastoptera proteus* Fitch.  
*proteus flavicollis* var. *b* Fitch. See *Clastoptera proteus* Fitch.  
*proteus* var. *funesta* Stål. See *Clastoptera funesta* Stål.  
*proteus* var. *hyperici* McAtee. See *Clastoptera hyperici* McAtee.  
*proteus maculicollis* Fitch. See *Clastoptera proteus* Fitch.  
*proteus maculicollis* var. *a* Fitch. See *Clastoptera proteus* Fitch.  
*proteus maculicollis* var. *b* Fitch. See *Clastoptera proteus* Fitch.  
*proteus maculicollis* var. *c* Fitch. See *Clastoptera proteus* Fitch.  
*proteus nigra* Ball. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*proteus nigra* var. *a* Ball. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*proteus nigra* var. *b* Ball. See *Clastoptera saintcyri* var. *anceps* McAtee.  
*proteus* var. *nigra* Germar. See *Clastoptera nigra* Germar.

***proteus* var. *nigricollis* Fitch**

- [*Clastoptera proteus*] *nigricollis* Fitch 1851a: 55 [n. subsp.]<sup>1</sup>  
 [*Clastoptera proteus nigricollis*] var. *a* Fitch 1851a: 55 [n. var.]<sup>1</sup>  
 [*Clastoptera proteus nigricollis*] var. *b* Fitch 1851a: 55 [n. var.]<sup>1</sup>  
 [*Clastoptera proteus nigricollis*] var. *c* Fitch 1851a: 55 [n. var.]<sup>1</sup>  
 [*Clastoptera proteus nigricollis*] var. *d* Fitch 1851a: 55 [n. var.]<sup>1</sup>  
 [*Clastoptera proteus*] *nigricollis* Walker 1852a: 1160 To *Clastoptera proteus* Fitch  
 [*Clastoptera proteus nigricollis*] var. *a* Walker 1852a: 1160 To *Clastoptera proteus* Fitch  
 [*Clastoptera proteus nigricollis* var. *b*] Walker 1852a: 1160 To *Clastoptera proteus* Fitch  
 [*Clastoptera proteus nigricollis* var. *c*] Walker 1852a: 1160 To *Clastoptera proteus* Fitch  
 [*Clastoptera proteus nigricollis*] var. *d* Walker 1852a: 1160 To *Clastoptera proteus* Fitch  
 [*Clastoptera proteus*] *nigricollis* Fitch 1893a: 395 (55) [n. subsp., reprinted]<sup>1</sup>  
 [*Clastoptera proteus nigricollis*] var. *a* Fitch 1893a: 395 (55) [n. var., reprinted]<sup>1</sup>

- [*Clastoptera proteus nigricollis*] var. *b* Fitch 1893a: 395 (55) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus nigricollis*] var. *c* Fitch 1893a: 395 (55) [n. var., reprinted]<sup>1</sup>
- [*Clastoptera proteus nigricollis*] var. *d* Fitch 1893a: 395 (55) [n. var., reprinted]<sup>1</sup>
- Clastoptera proteus nigricollis* Goding 1895b: 500 To *C[clastoptera] proteus* Fitch
- [*Clastoptera proteus*] *nigricollis* Ball 1896a: 186 [Described]
- [*Clastoptera proteus nigricollis*] var. *a* Ball 1896a: 186 [Described]
- [*Clastoptera proteus nigricollis*] var. *b* Ball 1896a: 186 [Described]
- [*Clastoptera proteus nigricollis*] var. *c* Ball 1896a: 186 [Described]
- [*Clastoptera proteus nigricollis*] var. *d* Ball 1896a: 186 [Described]
- [*Clastoptera proteus*] *flava* Ball 1896a: 187 [n. subsp.]<sup>1, 2, 3, 4, 5</sup> :188  
 Equals *Clastoptera sainteyri* Prov. [error] :192 [Zoogeography]<sup>6, 7, 8</sup>
- [*Clastoptera proteus flava*] var. *a* Ball 1896a: 187 [n. var.]
- [*Clastoptera proteus flava*] var. *b* Ball 1896a: 187 [n. var.]
- [*Clastoptera proteus*] *flava* Baker 1900b: 463 To [*Clastoptera proteus*] *sainteyri* [error]
- C[clastoptera] protea flava* Wirtner 1904a: 216 [Listed]<sup>2</sup>
- Clastoptera proteus flava* Fletcher and Gibson 1907a: 103 [Listed]<sup>9</sup>
- Clastoptera proteus flava* Moore 1907a: 189 [Listed]<sup>10</sup>
- Clastoptera proteus flava* Van Duzee 1909a: 205 [Listed]<sup>11</sup>
- C[clastoptera] proteus nigricollis* Felt 1910b: 121 [Listed]
- [*Clastoptera proteus*] *flava* Smith 1910a: 99 [Listed]<sup>12</sup>
- [*Clastoptera proteus*] *nigricollis* Van Duzee 1912a: 509 [Listed]
- [*Clastoptera proteus*] *flava* Van Duzee 1912a: 509 To [*Clastoptera*] *sainteyri* Prov. [error]
- [*Clastoptera*] *proteus flava* Van Duzee 1912b: 327 To [*Clastoptera proteus sainteyri* Prov.] [error]
- [*Clastoptera*] *nigricollis* Van Duzee 1916a: 58 To [*Clastoptera proteus*] Fitch
- [*Clastoptera*] *flava* Van Duzee 1916a: 58 To [*Clastoptera proteus*] *sainteyri* Prov. [error]
- [*Clastoptera*] *flava* Van Duzee 1917b: 519 To *Clastoptera proteus* Fitch
- Clastoptera proteus candens* McAtee 1920b: 175 [n. var.]<sup>13</sup> :174 [Key]
- Clastoptera proteus nigricollis* Stearns 1923a: 234 To *C[clastoptera] proteus* Fitch
- Clastoptera proteus candens* Ball 1927a: 108 [Notes]<sup>13</sup>
- Clastoptera proteus flava* Ball 1927a: 108 [Described, comparative note]  
 Equals *Clastoptera proteus proteus* Van Duzee (nec Fitch) [in part.]  
 Equals *Clastoptera proteus sainteyri* Stearns (nec Prov.) [in part.]

*Clastoptera proteus flava* Ball 1927b: 223 [Comparative note] :224  
Equals *C[lastoptera] flavivitta* Fowl. [error]

*C[lastoptera] proteus flava* Leonard 1928a: 147 [Listed]<sup>1</sup>

*C[lastoptera] protcus nigricollis* Doering 1929a: 19 [Key] :41; Pl. I, Figs. 13, 14, 15, 16, 23; Pl. V, Fig. 2; Pl. XXIV [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 9, 11, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33</sup> Equals *Clastoptera proteus proteus* Fitch Equals *Clastoptera proteus* Fitch Equals *Clastoptera protcus sainteyri* Stearns [in part.] Equals *Clastoptera proteus eandens* McAt. Equals *Clastoptera protcus flava* Ball :43 [Comparative note]

*Clastoptera proteus nigricollis* Doering 1930b: 83 [Key] :87 [Distribution]<sup>34</sup>

*Clastoptera proteus nigricollis* Brimley 1938a: 87 [Listed]<sup>30</sup>

[*Clastoptera*] *proteus nigricollis* Doering 1941c: 131 [Key]

*Clastoptera proteus nigricollis* Doering 1942a: 71 [Food plants]

*Clastoptera proteus nigricollis* Doering 1942b: 74, 76, 77, 84, 91 [Food plants]

*Clastoptera proteus nigricollis* McGill 1944a: 11 [Morphology of digestive system]

[*Clastoptera proteus*] *nigrocollis* [sic] Moore 1944a: 42 [Listed]<sup>10</sup>

[*Clastoptera proteus*] *nigricollis* Froeschner 1946a: 31 [Key] :34; Fig. 4 [Notes, illustrated]<sup>22</sup>

*Clastoptera proteus nigricollis* Moore 1950a: 253 [Listed]<sup>10</sup>

*Clastoptera proteus nigricollis* Moore 1950b: 28 [Listed]<sup>10</sup>

LOCALITIES: <sup>1</sup> New York. <sup>2</sup> Pennsylvania. <sup>3</sup> Massachusetts. <sup>4</sup> Connecticut.

<sup>5</sup> District of Columbia. <sup>6</sup> Northern Mississippi Valley States. <sup>7</sup> Eastern States.

<sup>8</sup> Canada. <sup>9</sup> Ontario. <sup>10</sup> Quebec. <sup>11</sup> Florida. <sup>12</sup> New Jersey. <sup>13</sup> Virginia. <sup>14</sup> California.

<sup>15</sup> Colorado. <sup>16</sup> Illinois. <sup>17</sup> Iowa. <sup>18</sup> Kansas. <sup>19</sup> Michigan. <sup>20</sup> Minnesota.

<sup>21</sup> Mississippi. <sup>22</sup> Missouri. <sup>23</sup> Nebraska. <sup>24</sup> Ohio. <sup>25</sup> South Dakota. <sup>26</sup> Wisconsin.

<sup>27</sup> Maine. <sup>28</sup> Montana. <sup>29</sup> New Hampshire. <sup>30</sup> North Carolina. <sup>31</sup> Texas.

<sup>32</sup> Utah. <sup>33</sup> West Virginia. <sup>34</sup> United States.

*proteus nigricollis* var. *a* Fitch. See *Clastoptera proteus* var. *nigricollis* Fitch.

*proteus nigricollis* var. *b* Fitch. See *Clastoptera proteus* var. *nigricollis* Fitch.

*proteus nigricollis* var. *c* Fitch. See *Clastoptera proteus* var. *nigricollis* Fitch.

*proteus nigricollis* var. *d* Fitch. See *Clastoptera proteus* var. *nigricollis* Fitch.

*proteus* var. *nigrocollis*. Typographical error for *Clastoptera proteus* var. *nigricollis* Fitch.

### **proteus** var. **osceola** Ball

*Clastoptera proteus osceola* Ball 1927a: 108 [n. var.]<sup>1, 2</sup>

*C[lastoptera] proteus osceola* Doering 1929a: 19 [Key] :43 [Described, catalogued]<sup>1, 3, 4, 5, 6, 7</sup> :48, 54, 63, 76, 77 [Comparative notes]

*Clastoptera protcus osceola* Doering 1930b: 83 [Key]

[*Clastoptera*] *proteus osceola* Doering 1941c: 131 [Key]

*Clastoptera proteus oseeola* Doering 1942b: 74, 91 [Food plants]

[*Clastoptera proteus*] *oseeola* Moore 1944a: 42 [Listed]<sup>8</sup>

*Clastoptera proteus oseeola* Moore 1950a: 253 [Listed]<sup>8</sup>

*Clastoptera proteus oseeola* Moore 1950b: 28 [Listed]<sup>8</sup>

LOCALITIES: <sup>1</sup> Wisconsin. <sup>2</sup> Ontario. <sup>3</sup> Canada <sup>4</sup> Michigan. <sup>5</sup> New York. <sup>6</sup> New Jersey. <sup>7</sup> Massachusetts. <sup>8</sup> Quebec.

*proteus* var. *picturata* Stål. See *Clastoptera picturata* Stål.

*proteus* var. *pini* Fitch. See *Clastoptera testacca* Fitch.

#### **proteus** var. **proteus** Fitch

[*Clastoptera proteus*] *proteus* McAtee 1920b: 174 [Key] :175 [Listed]<sup>1, 2, 3</sup>

[*Clastoptera proteus*] *proteus* Moore 1920a: 24 [Listed]

*Clastoptera proteus proteus* Ball 1927a: 106 [Described]

*C*[*lastoptera*] *proteus proteus* Doering 1929a: 18 [Key] :40; Pl. I, Fig. 12 [Described, illustrated, catalogued]<sup>4, 5, 6, 7, 8, 9, 10, 11</sup> Equals *Clastoptera proteus flavicollis* Fitch Equals *Clastoptera proteus maeulicollis*

Fitch Equals *Clastoptera proteus cineticollis* Fitch Equals *Clastoptera proteus seminuda* Ball :41 To *Clastoptera proteus nigricollis* Fitch

*Clastoptera proteus proteus* Van Duzee 1929e: 62 [Listed]

*Clastoptera proteus proteus* Doering 1930b: 83 [Key]

[*Clastoptera*] *proteus proteus* Doering 1941c: 131 [Key]

*Clastoptera proteus proteus* Doering 1942b: 74, 76 [Food plants]

[*Clastoptera proteus*] *proteus* Froeschner 1946a: 32 [Key]

LOCALITIES: <sup>1</sup> Maryland. <sup>2</sup> Virginia. <sup>3</sup> District of Columbia. <sup>4</sup> Iowa. <sup>5</sup> Kansas. <sup>6</sup> Massachusetts. <sup>7</sup> Missouri. <sup>8</sup> New York. <sup>9</sup> South Dakota. <sup>10</sup> Wisconsin. <sup>11</sup> Ontario.

*proteus* var. *saintcyri* Provancher. See *Clastoptera saintcyri* Provancher.

*proteus* var. *salicis* Doering. See *Clastoptera salicis* Doering.

*proteus* var. *scutellata* Germar. See *Clastoptera scutellata* Germar.

#### **proteus** var. **seminuda** Ball

*Clastoptera proteus seminuda* Ball 1927a: 108 [n. var.]<sup>1, 2, 3</sup>

*Clastoptera proteus seminuda* Doering 1929a: 40 To *Clastoptera proteus proteus* Fitch

LOCALITIES: <sup>1</sup> Iowa. <sup>2</sup> Ontario. <sup>3</sup> Kansas.

*proteus* var. *stål*i Fowler. See *Clastoptera stål*i Fowler.

*proteus vittata* Ball. See *Clastoptera saintcyri* Provancher.

*proteus vittata* var. *a* Ball. See *Clastoptera saintcyri* Provancher.

*proteus vittata* var. *b* Ball. See *Clastoptera saintcyri* Provancher.

*proteus vittata* var. *c* Ball. See *Clastoptera saintcyri* Provancher.

*quadrangularis* Say. See *Lepyronia quadrangularis* Say. Family APHROPHORIDAE.

Fascicle VII, Part 3.

#### **quadriguttata** Meliehar

*Clastoptera quadriguttata* Meliehar 1915e: 3 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Peru.



**rufescens** Fowler

*Clastoptera rufescens* Fowler 1898a: 205 [n. sp., comparative note]<sup>1, 2</sup>

*C[lastoptera] rufescens* Lallemand 1912a: 25 [Catalogued]

*Clastoptera xanthocephala rufescens* Ball 1927b: 224 [Notes] Equals

*C[lastoptera] rufescens* Fowl.

LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Guerrero.

**sahlbergi** Stål

*C[lastoptera] sahlbergi* Stål 1854b: 253 [n. sp.]<sup>1</sup>

*Clastoptera sahlbergi* Walker 1858b: 260 [Catalogued]<sup>1</sup>

*[Clastoptera] sahlbergi* Dohrn 1859a: 69 [Listed]<sup>1</sup>

*C[lastoptera] sahlbergi* Stål 1862c: 17 [Described, catalogued]<sup>2</sup> :18  
[Comparative note]

*[Clastoptera darnoides] sahlbergi* Lallemand 1912a: 23 [Catalogued]<sup>2</sup>

*[Clastoptera] obtusa sahlbergi* Ball 1927b: 223 Equals *[Clastoptera]*  
*sahlbergi* Stål

LOCALITIES: <sup>1</sup> Brazil. <sup>2</sup> Rio de Janeiro.

**sainteiyri** Provancher

*Clastoptera sainteyri* Provancher 1872b: 351 [n. sp.]<sup>1</sup>

*[Clastoptera] s[ain]teyri* Brodie and White 1883a: 58 [Listed]<sup>1</sup>

*[Clastoptera proteus] sainteyri* Provancher 1889a: 260 [Described]<sup>1</sup>

*Clastoptera sainteyri* Provancher 1889a: 260 To *Clastoptera proteus*  
Fitch [error]

*[Clastoptera proteus] vittata* Ball 1896a: 187 [n. subsp.]<sup>2, 3, 4, 5, 6</sup>

*[Clastoptera proteus vittata] var. a* Ball 1896a: 187 [n. var.]

*[Clastoptera proteus vittata] var. b* Ball 1896a: 187 [n. var.]

*[Clastoptera proteus vittata] var. e* Ball 1896a: 187 [n. var.]

*Clastoptera sainteyri* Ball 1896a: 186 To *Clastoptera proteus* Fitch  
[error] :188 To *Clastoptera proteus flava* Ball [error]

*[Clastoptera proteus] vittata* Ball 1896a: 192 [Zoogeography]<sup>3</sup>

*[Clastoptera proteus] sainteyri* Baker 1900b: 463 Equals *[Clastoptera]*  
*proteus] flava* Ball [error]

*Clastoptera proteus vittata* Fletcher and Gibson 1907a: 103 [Listed]<sup>7</sup>

*Clastoptera proteus vittata* Moore 1907a: 189 [Listed]<sup>8</sup>

*Clastoptera proteus vittata* Van Duzee 1909a: 205 [Listed]<sup>9</sup>

*[Clastoptera proteus] vittata* Smith 1910a: 99 [Listed]<sup>10</sup>

*[Clastoptera proteus] vittata* Van Duzee 1912a: 509 [Listed]

*[Clastoptera] sainteyri* Van Duzee 1912a: 509 Equals *[Clastoptera]*  
*proteus] flava* Ball [error]

*[Clastoptera proteus sainteyri]* Van Duzee 1912b: 327 Equals *Clastoptera*  
*sainteiyri* Prov. Equals *[Clastoptera] proteus flava* Ball [error]

*Clastoptera proteus sainteyri* Barber 1914a: 529 [Listed]<sup>9</sup>

*Clastoptera proteus vittata* Barber 1914a: 529 [Listed]<sup>9</sup>



- [*Clastoptera proteus*] *saintcyri* Van Duzee 1916a: 58 Equals [*Clastoptera*] *flava* Ball [error]
- [*Clastoptera proteus*] *vittata* Van Duzee 1916a: 58 [Listed]
- [*Clastoptera proteus*] *vittata* Van Duzee 1917b: 520 [Catalogued]
- [*Clastoptera*] *saintcyri* Van Duzee 1917b: 519 To *Clastoptera proteus* Fitch [error]
- Clastoptera vittata* Franklin 1919a: 127 [Economics]<sup>4</sup>
- [*Clastoptera*] *proteus saintcyri* Britton 1920a: 56 [Listed]<sup>5</sup>
- [*Clastoptera proteus*] *vittata* McAtee 1920b: 174 [Key] :175 [Listed]<sup>11, 12</sup>
- [*Clastoptera proteus*] *vittata* Moore 1920a: 24 [Listed]
- Clastoptera vittata* Franklin 1921a: 164 [Economics]<sup>4</sup>
- Clastoptera proteus saintcyri* Osborn 1921a: 5 [Listed]<sup>9</sup>
- Clastoptera proteus vittata* Osborn 1921a: 5 [Listed]<sup>9</sup>
- C[lastoptera] proteus saintcyri* Stearns 1923a: 234 [Described]<sup>2, 3, 4, 5, 6, 7, 8, 13, 14, 15, 16, 17, 18, 19, 20</sup>
- C[lastoptera] proteus vittata* Stearns 1923a: 234 [Described]<sup>4, 13, 14, 15, 16</sup> To *C[lastoptera] proteus* Fitch [error]
- Clastoptera saintcyri* Stearns 1923a: 234 To *C[lastoptera] proteus* Fitch [error]
- Clastoptera proteus vittata* Doering 1926a: 85; Fig. 6 [Comparative note, illustrated]
- Clastoptera proteus saintcyri* Ball 1927a: 107 [Described] Equals *Clastoptera saintcyri* Prov. Equals *C[lastoptera] proteus vittata* Ball
- [*Clastoptera*] *saintcyri* Ball 1927a: 107, 108 [Comparative notes]
- [*Clastoptera proteus*] *vittata* Johnson 1927a: 38 [Listed]<sup>13, 21</sup>
- C[lastoptera] proteus saintcyri* Leonard 1928a: 147 [Listed]<sup>2</sup>
- C[lastoptera] proteus vittata* Leonard 1928a: 147 [Listed]<sup>2, 22, 23</sup>
- Clastoptera saintcyri* Doering 1929a: 45; Pl. III, Fig. 4; Pl. V, Fig. 5; Pl. IX, Figs. 5, 7; Pl. XIII, Figs. 3, 10; Pl. XVII, Fig. 4; Pl. XXI, Figs. 5, 5a; Pl. XXV, Figs. 7, 7a, 7b [Described, illustrated, catalogued]
- C[lastoptera] saintcyri saintcyri* Doering 1929a: 18 [Key] :46; Pl. I, Fig. 8 [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 5, 10, 11, 13, 14, 15, 16, 24</sup> Equals *Clastoptera proteus vittata* Ball Equals *Clastoptera proteus saintcyri* Prov. :51, 52 [Comparative notes]
- [*Clastoptera*] *saintcyri* Doering 1930b: 87 [Distribution, food plants]<sup>25, 26</sup>
- Clastoptera saintcyri saintcyri* Doering 1930b: 83 [Key]
- C[lastoptera] proteus saintcyri* Johnson 1930a: 33 [Listed]<sup>4, 27</sup>
- Clastoptera proteus vittata* Phipps 1930a: 187 [Food plants]<sup>4, 13, 14, 15, 16</sup>
- Clastoptera saintcyri* Brimley 1938a: 87 [Listed]<sup>20</sup>
- Clastoptera vittata* Gilliatt 1938a: 32 [Economics]<sup>1</sup>
- [*Clastoptera proteus*] *saintcyri* Procter 1938a: 84 [Listed]<sup>21</sup>

- [*Clastoptera proteus*] *vittata* Procter 1938a: 84 [Listed]<sup>21</sup>  
*Clastoptera saintcyri* Franklin 1940a: 33 [Economics]<sup>4</sup>  
 [*Clastoptera*] *saintcyri saintcyri* Doering 1941c: 131 [Key]  
*Clastoptera saintcyri* Doering 1942b: 78 [Food plants]  
*Clastoptera saintcyri saintcyri* Doering 1942b: 74, 91 [Food plants]  
 [*Clastoptera proteus*] *saintcyri* Moore 1944a: 42 [Listed]<sup>5</sup>  
 [*Clastoptera proteus*] *vittata* Procter 1946a: 84 [Listed]<sup>21</sup>  
*C*[*lastoptera*] *saintcyri* Procter 1946a: 84 [Listed]<sup>21</sup>  
*Clastoptera saintcyri* Moore 1950a: 253 [Listed]<sup>8</sup>  
*Clastoptera saintcyri* Moore 1950b: 28 [Listed]<sup>8</sup>  
*Clastoptera saintcyri* Deay, et al. 1955a: 33 [Listed]  
 LOCALITIES: <sup>1</sup> Canada. <sup>2</sup> New York. <sup>3</sup> Pennsylvania. <sup>4</sup> Massachusetts. <sup>5</sup> Connecticut. <sup>6</sup> District of Columbia. <sup>7</sup> Ontario. <sup>8</sup> Quebec. <sup>9</sup> Florida. <sup>10</sup> New Jersey. <sup>11</sup> Maryland. <sup>12</sup> Virginia. <sup>13</sup> Maine. <sup>14</sup> New Hampshire. <sup>15</sup> Ohio. <sup>16</sup> Wisconsin. <sup>17</sup> Arkansas. <sup>18</sup> Colorado. <sup>19</sup> California. <sup>20</sup> North Carolina. <sup>21</sup> Mount Desert Island. <sup>22</sup> Staten Island. <sup>23</sup> Long Island. <sup>24</sup> Michigan. <sup>25</sup> Northern United States. <sup>26</sup> Northeastern States. <sup>27</sup> Nantucket Island.

**saintcyri** var. **anceps** McAtee

- [*Clastoptera proteus*] *nigra* Ball 1896a: 187 [n. subsp.]<sup>1, 2, 3, 4, 5</sup> :192 [Zoogeography]<sup>2</sup>  
 [*Clastoptera proteus nigra*] var. *a* Ball 1896a: 187 [n. var.]  
 [*Clastoptera proteus nigra*] var. *b* Ball 1896a: 187; Pl. XI, Fig. 5 [n. var., illustrated]  
*Clastoptera proteus nigra* Fletcher and Gibson 1907a: 103 [Listed]<sup>6</sup>  
*Clastoptera proteus nigra* Moore 1907a: 189 [Listed]<sup>7</sup>  
*Clastoptera proteus nigra* Van Duzee 1908b: 115 [Notes]<sup>7</sup>  
 [*Clastoptera proteus*] *nigra* Smith 1910a: 99 [Listed]<sup>8</sup>  
 [*Clastoptera*] *proteus nigra* Van Duzee 1912a: 508, 509 To [*Clastoptera*] *pini* Fitch [error]  
 [*Clastoptera*] *nigra* Van Duzee 1916a: 58 To [*Clastoptera proteus*] *pini* Fitch [error]  
 [*Clastoptera*] *nigra* Van Duzee 1917b: 520 To [*Clastoptera proteus*] *pini* Fitch [error]  
*Clastoptera proteus anceps* McAtee 1920b: 175 [n. var.]<sup>5, 9</sup> :174 [Key]  
*Clastoptera proteus nigra* McAtee 1920b: 173 [Notes]  
*Clastoptera proteus anceps* Ball 1927a: 109 [Described]<sup>5, 9</sup>  
*Clastoptera proteus nigra* Ball 1927a: 109 To *Clastoptera proteus hypcriti* McAt. [error]  
*C*[*lastoptera*] *saintcyri anceps* Doering 1929a: 18 [Key] :23, 31, 32, 43, 51, 54, 63, 76, 77 [Comparative notes] :47; Pl. I, Fig. 9; Pl. V, Fig. 4; Pl. IX, Fig. 5; Pl. XXIV [Described, illustrated, catalogued]<sup>3, 4, 5, 7, 8, 9, 10, 11, 12, 13</sup> Equals *Clastoptera protcus anceps* McAt. Equals *Clastoptera protcus nigra* Ball Equals *Clastoptera proteus pini* Fitch [error]

*C[lastoptera] proteus anceps* Doering 1929a: 48, 49 [Comparative notes]

*Clastoptera saintcyri anceps* Doering 1930b: 83 [Key]

[*Clastoptera proteus*] *anceps* Procter 1938a: 84 [Listed]<sup>14</sup>

[*Clastoptera*] *saintcyri anceps* Doering 1941c: 131 [Key]

*Clastoptera saintcyri anceps* Doering 1942a: 69 [Food plants]

*Clastoptera saintcyri anceps* Doering 1942b: 74, 91 [Food plants]

*C[lastoptera] saintcyri anceps* Procter 1946a: 84 [Listed]<sup>14</sup>

*Clastoptera saintcyri anceps* Moore 1950a: 253 [Listed]<sup>7</sup>

*Clastoptera saintcyri anceps* Moore 1950b: 28 [Listed]<sup>7</sup>

LOCALITIES: <sup>1</sup> West Virginia. <sup>2</sup> Pennsylvania. <sup>3</sup> District of Columbia. <sup>4</sup> Massachusetts. <sup>5</sup> New York. <sup>6</sup> Ontario. <sup>7</sup> Quebec. <sup>8</sup> New Jersey. <sup>9</sup> Maryland. <sup>10</sup> Maine. <sup>11</sup> Michigan. <sup>12</sup> New Hampshire. <sup>13</sup> Rhode Island. <sup>14</sup> Mount Desert Island.

*saintcyri* var. *saintcyri* Provancher. See *Clastoptera saintcyri* Provancher.

*saintcyri* var. *testacea* Fitch. See *Clastoptera testacea* Fitch.

#### **salicis** Doering

*Clastoptera salicis* Doering 1926a: 85; Figs. 2, 4, 7 [n. sp., illustrated]<sup>1</sup>

*C[lastoptera] salicis* Ball 1927a: 107 [Food plants]<sup>1</sup>

*Clastoptera proteus salicis* Ball 1927a: 107 [Described] Equals *Clastoptera salicis* Doer.

*C[lastoptera] salicis* Doering 1929a: 18 [Key] :49; Pl. I, Fig. 10; Pl. III, Fig. 6; Pl. V, Figs. 1, 1b; Pl. IX, Figs. 3, 10; Pl. XIII, Figs. 5, 9; Pl. XVII, Fig. 7; Pl. XXI, Figs. 2, 2a; Pl. XXV, Figs. 8, 8a, 8b [Described, illustrated, catalogued]<sup>1, 2</sup> Equals *Clastoptera proteus salicis* Doer.: 50, 51, 52 [Comparative notes]

*Clastoptera salicis* Doering 1930b: 82 [Key] :87 [Food plants]

[*Clastoptera*] *salicis* Doering 1941c: 131 [Key]

*Clastoptera salicis* Doering 1942b: 74, 89 [Food plants]

[*Clastoptera*] *salicis* Froeschner 1946a: 31 [Key] :34 [Notes]<sup>2</sup>

LOCALITIES: <sup>1</sup> Kansas. <sup>2</sup> Missouri.

#### **scutellata** Germar

*C[lastoptera] scutellata* Germar 1839a: 189 [n. sp.]<sup>1</sup>

*Clastoptera scutellata* Walker 1851b: 843 [Catalogued]<sup>1</sup>

[*Clastoptera*] *scutellata* Dohrn 1859a: 69 [Listed]<sup>1</sup>

*C[lastoptera] scutellata* Stål 1862e: 16 [Catalogued, comparative note]<sup>2</sup>

*C[lastoptera] scutellata* Lallemand 1912a: 25 [Catalogued]<sup>1</sup> Equals *Clastoptera funesta* Stål [error] Equals *Clastoptera pallidiceps* Stål [error]

*Clastoptera scutellata* Williams 1923a: 272 [Comparative note]<sup>1</sup>

[*Clastoptera*] *proteus scutellata* Ball 1927b: 223 [Notes]<sup>1</sup> Equals [*Clastoptera*] *scutellata* Germ.

LOCALITIES: <sup>1</sup> Brazil. <sup>2</sup> Rio de Janeiro.

**secunda** Berg

*Considia secunda* Berg 1879e: 213 [n. sp.]<sup>1</sup>

*Considia secunda* Berg 1879e: 231 [n. sp.]<sup>1</sup>

*Clastoptera secunda* Berg 1899b: 159 [Notes, food plants]<sup>2</sup> Equals

*Considia secunda* Berg

*C[lastoptera] secunda* Lallemand 1912a: 25 [Catalogued]<sup>3</sup> Equals *Considia [secunda]* Berg

*C[lastoptera] secunda* Delétang 1917a: 265 [Catalogued]<sup>1</sup> Equals *Considia secunda* Berg

*Clastoptera xanthocephala secunda* Ball 1927b: 224 [Notes] Equals

*Considea [sic] secunda*

*C[lastoptera] secunda* Box 1929a: 12 [Listed]<sup>1</sup>

LOCALITIES: <sup>1</sup> Buenos Aires. <sup>2</sup> Brazil. <sup>3</sup> Rio de Janeiro.

*seminuda* Ball (var.). See *Clastoptera proteus* var. *seminuda* Ball.

**semivitreca** Fowler

*Clastoptera semivitreca* Fowler 1898a: 201; Pl. 12, Fig. 20 [n. sp., illustrated]<sup>1, 2, 3</sup>

*C[lastoptera] semivitreca* Lallemand 1912a: 25 [Catalogued]<sup>1</sup>

*C[lastoptera] semivitreca* Ball 1927b: 224 [Notes]

LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Guerrero. <sup>3</sup> Tabasco.

**sexguttata** Meliehar

*Clastoptera sexguttata* Meliehar 1915e: 3 [n. sp.]<sup>1</sup>

LOCALITIES: <sup>1</sup> Paraguay.

**sierra** Doering

*Clastoptera sierra* Doering 1929a: 33; Pl. I, Fig. 6; Pl. III, Fig. 3; Pl. IV, Fig. 6; Pl. VIII, Figs. 2, 8; Pl. XII, Figs. 6, 12; Pl. XVI, Fig. 5; Pl. XX, Figs. 6, 6a; Pl. XXIV; Pl. XXV, Figs. 2, 2a [n. sp., illustrated]<sup>1</sup> :20, 23, 25, 31, 32, 34, 49, 54, 63, 76, 77 [Comparative notes]

*Clastoptera sierra* Doering 1930b: 81 [Key]

*[Clastoptera] sierra* Doering 1941c: 130 [Key]

*Clastoptera sierra* Doering 1942b: 74 [Food plants]

LOCALITIES: <sup>1</sup> California.

*signifera* Walker. See *Clastoptera brevis* Walker.

**siskiyou** Doering

*Clastoptera siskiyou* Doering 1929a: 92; Pl. II; Pl. III, Fig. 21; Pl. VII, Fig. 6; Pl. XI, Figs. 2, 15; Pl. XV, Figs. 7, 18; Pl. XIX, Fig. 6; Pl. XXIII, Figs. 8, 8a; Pl. XXIV; Pl. XXVII, Figs. 8, 8a [n. sp., illustrated]<sup>1</sup> :19 [Key] :65, 66, 85, 86, 91, 92 [Comparative notes]

*Clastoptera siskiyou* Doering 1930b: 84 [Key]

*[Clastoptera] siskiyou* Doering 1941c: 133 [Key]

*Clastoptera siskiyou* Doering 1942b: 74 [Food plants]

LOCALITIES: <sup>1</sup> California.

**ståli** Fowler

*Clastoptera ståli* Fowler 1898a: 204; Pl. 12, Fig. 26 [n. sp., illustrated]<sup>1</sup>.  
2, 3, 4

*C[lastoptera] ståli* Lallemand 1912a: 25 [Catalogued]<sup>5</sup>

*[Clastoptera proteus ståli]* Ball 1927b: 224 [Notes] Equals *C[lastoptera] ståli* Fowl.

LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Guatemala. <sup>3</sup> Panama. <sup>4</sup> Vera Cruz. <sup>5</sup> Central America.

**stolida** Uhler

*Clastoptera stolida* Uhler 1864a: 161 [n. sp.]<sup>1</sup>

*C[lastoptera] stolida* Goding 1895b: 498 [Catalogued]<sup>1</sup>

*C[lastoptera] stolida* Ball 1896a: 191 [Listed]<sup>2</sup> :188, 191 To *Clastoptera obtusa* Say (?) [error]

*Clastoptera stolida* Baker 1900b: 464 [Comparative notes]<sup>1</sup>

*[Clastoptera] stolida* Henshaw 1903b: 226 [Listed]<sup>1</sup>

*Clastoptera stolida* Valdés Ragués 1910a: 445 [Described]<sup>1</sup>

*C[lastoptera] stolida* Lallemand 1912a: 25 [Catalogued]<sup>1</sup>

*Claptostella* [sic] *stolida* Valdés Ragués 1914a: 105 [Listed]<sup>1</sup>

*Clastoptera stolida* Metcalf and Bruner 1925a: 95 [Listed]<sup>1</sup> :104 [Notes]<sup>1</sup>

*Clastoptera stolida* Osborn 1926c: 362 [Economics]<sup>1</sup>

*Clastoptera stolida* Osborn 1926c: 362 [Economics]<sup>1</sup>

*[Clastoptera] obtusa stolida* Ball 1927b: 224 [Notes]<sup>1</sup> Equals *[Clastoptera] stolida* Uhl.

*[Clastoptera] stolida* Metcalf and Bruner 1944a: 122 [Key] :123; Pl. 60, Figs. 7, 13 [Described, illustrated, food plants]<sup>1</sup>

*Clastoptera stolida* Bruner, Scaramuzza, and Otero 1945a: 90, 154 [Food plants]<sup>1</sup>

LOCALITIES: <sup>1</sup> Cnba. <sup>2</sup> West Indies.

**taeniata** Williams

*Clastoptera taeniata* Williams 1923a: 271 [n. sp., parasites, comparative note]<sup>1</sup>

*Clastoptera taeniata* Thompson 1944a: 34 [Parasites]<sup>1</sup>

LOCALITIES: <sup>1</sup> Trinidad.

**testacea** Fitch

*C[lastoptera] testacea* Fitch 1851a: 53 [n. sp., food plants]<sup>1</sup>

*[Clastoptera testacea]* var. *a* Fitch 1851a: 53 [n. var.]<sup>1</sup>

*[Clastoptera testacea]* var. *b* Fitch 1851a: 53 [n. var.]<sup>1</sup>

*[Clastoptera testacea]* var. *e* Fitch 1851a: 53 [n. var.]<sup>1</sup>

*C[lastoptera] pini* Fitch 1851a: 53 [n. sp., food plants]<sup>1</sup>

*[Clastoptera pini]* var. *a* Fitch 1851a: 54 [n. var.]<sup>1</sup>

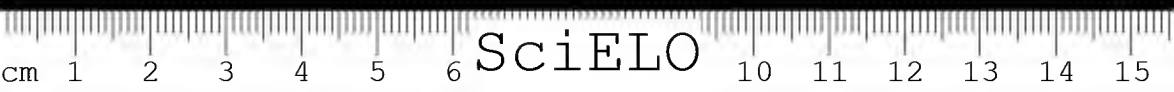
*[Clastoptera pini]* var. *b* Fitch 1851a: 54 [n. var.]<sup>1</sup>

*Clastoptera pini* Walker 1852a: 1160 [Catalogued]<sup>1</sup>

*Clastoptera testacea* Walker 1852a: 1160 [Catalogued]<sup>1</sup>



- Clastoptera pini* Fitch 1857a: 738 [Economics, notes]<sup>1</sup>  
*Clastoptera testacea* Fitch 1857a: 739 [Notes]<sup>1</sup>  
*Clastoptera pini* Walker 1858b: 259 [Catalogued]<sup>1</sup>  
*Clastoptera testacea* Walker 1858b: 259 [Catalogued]<sup>1</sup>  
*[Clastoptera] pini* Rathvon 1869a: 550 [Listed]<sup>2</sup>  
*[Clastoptera] testacea* Rathvon 1869a: 550 [Listed]<sup>2</sup>  
*Cl[astoptera] pini* Provancher 1872b: 351 [Comparative note]  
*Clastoptera pini* Packard 1881a: 216 [Notes]  
*Clastoptera testacea* Packard 1881a: 216 [Notes]  
*Cl[astoptera] pini* Provancher 1889a: 260 [Comparative note]  
*Clastoptera pini* Packard 1890a: 802; Text fig. 272 [Notes, economics, illustrated]  
*Clastoptera testacea* Packard 1890a: 802 [Notes, economics]  
*Cl[astoptera] pini* Provancher 1890d: 260 [Comparative note]  
*C[lastoptera] pini* Smith 1890a: 443 [Listed]  
*C[lastoptera] testacea* Smith 1890a: 443 [Listed]<sup>3</sup>  
*Clastoptera pini* Van Duzee 1890c: 388 [Taxonomy]  
*Clastoptera testacea* Van Duzee 1890c: 388 [Taxonomy]  
*C[lastoptera] testacea* Southwick 1892a: 318 [Listed]<sup>3</sup>  
*C[lastoptera] pini* Southwick 1892b: 318 [Listed]<sup>3</sup>  
*C[lastoptera] testacea* Fitch 1893a: 393 (53) [n. sp., reprinted, food plants]<sup>1</sup>  
*[Clastoptera testacea]* var. *a* Fitch 1893a: 393 (53) [n. var., reprinted]<sup>1</sup>  
*[Clastoptera testacea]* var. *b* Fitch 1893a: 393 (53) [n. var., reprinted]<sup>1</sup>  
*[Clastoptera testacea]* var. *c* Fitch 1893a: 393 (53) [n. var., reprinted]<sup>1</sup>  
*C[lastoptera] pini* Fitch 1893a: 393 (53) [n. sp., reprinted, food plants]<sup>1</sup>  
*[Clastoptera pini]* var. *a* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>  
*[Clastoptera pini]* var. *b* Fitch 1893a: 394 (54) [n. var., reprinted]<sup>1</sup>  
*Clastoptera pini* Lintner 1893a: 153; Fig. 12 [Economics, catalogued, illustrated]<sup>1</sup>  
*Clastoptera pini* Van Duzee 1893b: 410 [Taxonomy]  
*C[lastoptera] pini* Goding 1895b: 500 [Catalogued]<sup>1, 3</sup>  
*C[lastoptera] testacea* Goding 1895b: 500 [Catalogued]<sup>1, 3</sup>  
*Clastoptera obtusa osborni* var. *b* Ball 1896a: 190 [n. var.]<sup>1, 3, 4, 5</sup> Equals  
*[Clastoptera] testacea* Fitch :192 [Zoogeography]<sup>1, 6, 7</sup>  
*Clastoptera pini* Ball 1896a: 188 To *Clastoptera obtusa* Say [error] :191  
[Described, catalogued]  
*Clastoptera testacea* Ball 1896a: 188 To *Clastoptera obtusa* Say [error]  
:191 [Described, catalogued]  
*Clastoptera obtusa osborni* var. *c* Ball 1896a: 190 [n. var.]<sup>1, 5, 7</sup> Equals  
*[Clastoptera] pini* Fitch :192 [Zoogeography]<sup>1, 6, 7</sup>  
*C[lastoptera] testacea* Fowler 1898a: 205 [Comparative note]



- [Clastoptera] obtusa* Baker 1900b: 463, 464 [Comparative notes]  
*[Clastoptera obtusa] pini* Baker 1900b: 463 [Notes]  
*[Clastoptera obtusa] testacea* Baker 1900b: 463 [Notes]  
*Clastoptera pini* Lugger 1900a: 121; Fig. 116 [Economics, illustrated]<sup>8</sup>  
*[Clastoptera obtusa] pini* Smith 1900a: 90 [Listed]  
*[Clastoptera obtusa] testacea* Smith 1900a: 90 [Listed]  
*C[lastoptera] pini* Kellogg 1904a: 171 [Notes]<sup>9</sup>  
*Clastoptera pini* Felt 1906a: 686 [Economics]<sup>1</sup>  
*C[lastoptera] pini* Kellogg 1908a: 171 [Notes, economics]  
*[Clastoptera] pini* Felt 1910b: 121 To *Clastoptera obtusa* Say [error] To  
*C[lastoptera] obtusa cincticollis* Fitch [error] To *C[lastoptera] obtusa*  
*flavicollis* Fitch [error]  
*[Clastoptera] testacea* Felt 1910b: 121 To *Clastoptera obtusa* Say [error]  
*[Clastoptera] pini* Van Duzee 1912a: 508 [Notes] :508, 509 Equals  
*[Clastoptera] proteus nigra* Ball [error]  
*[Clastoptera] pini* Osborn 1916b: 283 To *Clastoptera obtusa* Say [error]  
*[Clastoptera] testacea* Osborn 1916b: 283 To *Clastoptera obtusa* Say  
[error]  
*[Clastoptera obtusa] testacea* Van Duzee 1916a: 58 [Listed]  
*[Clastoptera proteus] pini* Van Duzee 1916a: 58 Equals *[Clastoptera]*  
*nigra* Ball [error]  
*[Clastoptera obtusa] testacea* Van Duzee 1917b: 518 [Catalogued]  
*[Clastoptera proteus] pini* Van Duzee 1917b: 520 [Catalogued] Equals  
*[Clastoptera] nigra* Ball [error]  
*[Clastoptera] testacea* Ball 1919d: 146 [Comparative note]  
*[Clastoptera] proteus pini* Britton 1920a: 56 [Listed]<sup>10</sup>  
*Clastoptera pini* McAtee 1920b: 173 [Notes] :174 [Key] :176 [Listed]<sup>11, 12</sup>  
*[Clastoptera obtusa] testacea* Moore 1920a: 24 [Listed]  
*[Clastoptera proteus] pini* Moore 1920a: 24 [Listed]  
*[Clastoptera obtusa] testacea* Garman 1923a: 156 [Notes]<sup>10</sup>  
*Clastoptera testacea* Stearns 1923a: 235 To *C[lastoptera] obtusa* Say  
[error]  
*C[lastoptera] obtusa testacea* Stearns 1923a: 236 [Described]<sup>1, 3, 4, 5, 10</sup>  
*C[lastoptera] proteus pini* Stearns 1923a: 234 [Described]<sup>1, 2, 4, 5, 10, 13,</sup>  
<sup>14, 15, 16, 17, 18, 19</sup>  
*Clastoptera pini* Stearns 1923a: 234 To *C[lastoptera] proteus* Fitch  
[error]  
*Clastoptera pina* [sic] Felt 1924a: 359 [Notes, economics]<sup>20</sup>  
*[Clastoptera obtusa] testacea* Essig 1926a: 203 [Listed]  
*[Clastoptera] obtusa pini* Ball 1927a: 109, 110 [Comparative notes] :111  
[Described, food plants]<sup>1, 3, 7, 11</sup>  
*Clastoptera obtusa testacea* Ball 1927a: 109 [Described, food plants]<sup>3, 4,</sup>

- 7, 11, 12, 16, 17, 21, 22, 23, 24 Equals *Clastoptera osborni* Gill. and Bak. [error] Equals *Clastoptera obtusa osborni* Ball [error] :111, 112 [Comparative notes, food plants]<sup>11</sup>
- [*Clastoptera*] *obtusa testacea* Ball 1927b: 224 [Comparative notes]
- [*Clastoptera protcus*] *pini* Johnson 1927a: 38 [Listed]<sup>13, 25</sup>
- Clastoptera* *obtusa testacea* Leonard 1928a: 147 [Listed]<sup>1, 26</sup>
- Clastoptera protcus pini* Leonard 1928a: 147 [Listed]<sup>1, 26</sup>
- Clastoptera protcus pini* Doering 1929a: 47 To *Clastoptera saintcyri anceps* MeAt. [error]
- Clastoptera testacea* Doering 1929a: 19 [Key] :58, 59, 63 [Comparative notes] :60; Pl. I, Figs. 19, 26–29; Pl. III, Fig. 7; Pl. V, Fig. 8; Pl. IX, Figs. 4, 12; Pl. XIII, Figs. 1, 8; Pl. XVII, Fig. 1; Pl. XXI, Figs. 3, 3a; Pl. XXIV; Pl. XXV, Figs. 9, 9a, 9b [Described, illustrated, catalogued]<sup>1, 3, 5, 7, 8, 11, 17, 19, 27</sup> Equals *Clastoptera pini* Fitch Equals *Clastoptera obtusa osborni* Ball [in part.] Equals *Clastoptera proteus pini* Van D. Equals *Clastoptera obtusa testacea* Van D. Equals *Clastoptera obtusa pini* Ball
- Clastoptera obtusa testacea* Doering 1929a: 56 To *Clastoptera osborni* Gill. and Bak. [error]
- Clastoptera testacea* Doering 1930b: 83 [Key] :87 [Food plants]
- Clastoptera testacea* Brimley 1938a: 87 [Listed]<sup>7</sup>
- [*Clastoptera*] *obtusa testacea* Britton 1938c: 27 [Listed]<sup>10</sup>
- [*Clastoptera proteus*] *pini* Procter 1938a: 84 [Listed]<sup>25</sup>
- [*Clastoptera*] *testacea* Doering 1941c: 131, 132 [Key]
- Clastoptera testacea* Doering 1942b: 74, 87 [Food plants]
- [*Clastoptera*] *testacea* Froesehner 1946a: 31 [Key] :34 [Notes, food plants]<sup>28</sup>
- [*Clastoptera saintcyri*] *testacea* Procter 1946a: 84 [Listed]<sup>25</sup>
- LOCALITIES: <sup>1</sup> New York. <sup>2</sup> Pennsylvania. <sup>3</sup> New Jersey. <sup>4</sup> West Virginia. <sup>5</sup> District of Columbia. <sup>6</sup> Eastern Coastal States. <sup>7</sup> North Carolina. <sup>8</sup> Minnesota. <sup>9</sup> North America. <sup>10</sup> Connecticut. <sup>11</sup> Maryland. <sup>12</sup> Virginia. <sup>13</sup> Maine. <sup>14</sup> New Hampshire. <sup>15</sup> Massachusetts. <sup>16</sup> Ohio. <sup>17</sup> Wisconsin. <sup>18</sup> Ontario. <sup>19</sup> Quebec. <sup>20</sup> United States. <sup>21</sup> Colorado. <sup>22</sup> Arizona. <sup>23</sup> New Mexico. <sup>24</sup> Mexico. <sup>25</sup> Mount Desert Island. <sup>26</sup> Long Island. <sup>27</sup> South Dakota. <sup>28</sup> Missouri.

*testacea* var. *a* Fitch. See *Clastoptera testacea* Fitch.

*testacea* var. *b* Fitch. See *Clastoptera testacea* Fitch.

*testacea* var. *c* Fitch. See *Clastoptera testacea* Fitch.

### **texana** Doering

- Clastoptera texana* Doering 1929a: 79; Pl. II; Pl. III, Fig. 11; Pl. VI, Fig. 5; Pl. X, Figs. 4, 14; Pl. XIV, Figs. 6, 14; Pl. XVIII, Fig. 5; Pl. XXII, Figs. 6, 6a; Pl. XXIV; Pl. XXVI, Figs. 7, 7a, 7b [n. sp., illustrated]<sup>1</sup> :19 [Key] :95, 96 [Comparative notes]
- Clastoptera texana* Doering 1930b: 85 [Key]
- [*Clastoptera*] *texana* Doering 1941c: 133 [Key]

*Clastoptera texana* Doering 1942a: 71 [Food plants]

*Clastoptera texana* Doering 1942b: 74 [Food plants]

*C[lastoptera] texana* Chandler 1952a: 890 [Food plants]

LOCALITIES: <sup>1</sup> Texas.

### **theobromae** Williams

*Clastoptera theobromae* Williams 1923a: 272; Pl. XI; Text figs. 1-3 [n. sp., economies, illustrated]<sup>1</sup>

*C[lastoptera] theobromae* Pickles 1930b: 145 [Biology]<sup>2</sup>

*Clastoptera theobromae* Thompson 1944a: 34 [Parasites]<sup>1</sup>

LOCALITIES: <sup>1</sup> Panama. <sup>2</sup> Jamaica.

### **tibialis** Stål

*C[lastoptera] tibialis* Stål 1862e: 16 [n. sp.]<sup>1</sup>

*[Clastoptera] obtusa tibialis* Ball 1927b: 223 [Notes] Equals *[Clastoptera] tibialis* Stål

LOCALITIES: <sup>1</sup> Rio de Janeiro.

### **triangulum** Walker

*Paropia triangulum* Walker 1851b: 845 [n. sp.]<sup>1</sup>

*[Paropia] triangulum* Dohrn 1859a: 83 [Listed]<sup>2</sup>

*[Clastoptera triangulum]* Stål 1862b: 494 [Catalogued] Equals *Paropia triangulum* Walk.

*C[lastoptera] triangulum* Fowler 1898a: 204 [Comparative note]

LOCALITIES: <sup>1</sup> Rio de Janeiro. <sup>2</sup> Brazil.

### **tricincta** Doering

*Clastoptera tricincta* Doering 1929a: 89; Pl. II; Pl. III, Fig. 11; Pl. VII, Fig. 8; Pl. XI, Figs. 3, 13; Pl. XV, Figs. 6, 11; Pl. XIX, Fig. 8; Pl. XXIII, Figs. 6, 6a; Pl. XXIV; Pl. XXVII, Figs. 6, 6a [n. sp., illustrated]<sup>1</sup> :20 [Key] :65, 66, 85, 86, 91 [Comparative notes]

*Clastoptera tricincta* Doering 1930b: 85 [Key]

*[Clastoptera] tricincta* Doering 1941c: 133 [Key]

*Clastoptera tricincta* Doering 1942b: 75 [Food plants]

*Clastoptera tricincta* Jenks and McKay 1947a: 33; Fig. 11 [Life history, illustrated]

LOCALITIES: <sup>1</sup> Colorado.

*tristis* Van Duzee (var.). See *Clastoptera obtusa* var. *tristis* Van Duzee.

*tristus*. Typographical error for *Clastoptera obtusa* var. *tristis* Van Duze.

### **undulata** Uhler

*Clastoptera undulata* Uhler 1864a: 160 [n. sp.]<sup>1</sup>

*C[lastoptera] undulata* Goding 1895b: 498 [Catalogued]<sup>1</sup>

*Clastoptera undulata* Ball 1896a: 188, 191 To *Clastoptera obtusa* Say (?) [error] :191 [Listed]<sup>2</sup>

*[Clastoptera] undulata* Henshaw 1903b: 226 [Listed]<sup>1</sup>

- C[lastoptera] undulata* Lallemant 1912a: 26 [Catalogued]<sup>1</sup>  
*Clastoptera undulata* Metcalf and Bruner 1925a: 95 [Listed]<sup>1</sup> :103  
 [Notes]<sup>1</sup> :104 [Comparative note]  
*Clastoptera undulata* Osborn 1926e: 362 [Listed]<sup>1</sup>  
*Clastoptera undulata* Osborn 1926e: 362 [Listed]<sup>1</sup>  
*[Clastoptera] obtusa undulata* Ball 1927b: 224 [Notes]<sup>1</sup> Equals  
*[Clastoptera] undulata* Uhl.  
*Clastoptera undulata* Myers 1930a: 341 [Parasites]<sup>1</sup>  
*Clastoptera undulata* Myers 1931a: 111 [Parasites]<sup>1</sup>  
*Clastoptera undulata* Clausen 1940a: 175 [Parasites]  
*Clastoptera undulata* Metcalf and Bruner 1944a: 122; Pl. 60, Figs. 1, 2,  
 6 [Described, illustrated, food plants]<sup>1</sup> :122 [Key] :123 [Comparative  
 note]  
*Clastoptera undulata* Thompson 1944a: 34 [Parasites]<sup>1</sup>  
*Clastoptera undulata* Bruner, Searamuzza, and Otero 1945a: 31, 33, 91  
 [Food plants]<sup>1</sup>  
 LOCALITIES: <sup>1</sup> Cuba. <sup>2</sup> West Indies.

**undulata** var. **bryae** Metcalf and Bruner

- Clastoptera undulata bryae* Metcalf and Bruner 1944a: 122 [n. var.,  
 food plants]<sup>1</sup>  
*Clastoptera undulata bryae* Bruner, Searamuzza, and Otero 1945a: 24  
 [Food plants]<sup>1</sup>  
 LOCALITIES: <sup>1</sup> Cuba.

*unicolor* Fowler. See *Clastoptera xanthocephala* var. *unicolor* Fowler.

**uniformia** Doering

- Clastoptera uniformia* Doering 1929a: 82; Pl. II; Pl. III, Fig. 12; Pl.  
 VI, Fig. 8; Pl. X, Figs. 6, 16; Pl. XIV, Figs. 7, 15; Pl. XVIII, Fig.  
 8; Pl. XXII, Figs. 7, 7a; Pl. XXIV; Pl. XXVI, Figs. 8, 8a [n. sp.,  
 illustrated]<sup>1</sup> :19 [Key] :82 [Comparative note]  
*Clastoptera uniformia* Doering 1930b: 85 [Key]  
*[Clastoptera] uniformia* Doering 1941e: 133 [Key]  
*Clastoptera uniformia* Doering 1942b: 75, 80 [Food plants]  
 LOCALITIES: <sup>1</sup> Arizona.

**variabilis** Lallemant

- Clastoptera variabilis* Lallemant 1939b: 53 [n. sp.]<sup>1</sup>  
 LOCALITIES: <sup>1</sup> Ecuador.

*vittata* Ball (var.). See *Clastoptera saintcyri* Provancher.

*vittata* var. *a* Ball [*proteus*]. See *Clastoptera saintcyri* Provancher.

*vittata* var. *b* Ball [*proteus*]. See *Clastoptera saintcyri* Provancher.

*vittata* var. *c* Ball [*proteus*]. See *Clastoptera saintcyri* Provancher.



**xanthocephala** Germar

- C[lastoptera] xanthocephala* Germar 1839a: 189 [n. sp.]<sup>1, 2</sup>  
*Clastoptera xanthocephala* Walker 1851b: 843 [Catalogued]<sup>1, 2</sup>  
*[Clastoptera] xonthocephola* Dohrn 1859a: 69 [Listed]<sup>1</sup>  
*C[lastoptera] xanthocephala* Smith 1890a: 443 [Listed]  
*C[lastoptero] xanthocephala* Southwick 1892b: 318 [Listed]<sup>3</sup>  
*Clostoptera* [sic] *xonthocephala* Weed 1892a: 278 [Listed]<sup>4</sup>  
*C[lastoptera] xonthocephala* Goding 1895b: 500 [Catalogued]<sup>1, 2, 3, 5, 6</sup>  
*Clastoptera xanthocephala* Ball 1896a: 184 [Key] :188; Pl. XI, Fig. 7; Pl. XIII, Figs. 6, 10; Pl. XIV, Figs. 9, 10 [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12</sup> :192 [Zoogeography]<sup>5, 9, 11, 12, 13</sup>  
*Clastoptera xanthocephala* Osborn and Ball 1897a: 232 [Listed]<sup>12</sup>  
*C[lastoptera] xanthocephala* Fowler 1898a: 205 [Comparative note]  
*[Clastoptera] xanthocephala* Ball 1899a: 205 [Listed]<sup>14, 15</sup>  
*Clastoptera xanthocephala* Baker 1900b: 464 [Comparative note]  
*C[lostoptera] xanthocephala* Osborn 1900f: 11 [Listed]<sup>16</sup>  
*C[lastoptera] xanthocephala* Smith 1900a: 90 [Listed]<sup>3</sup>  
*Clastoptera xanthocephala* Heidemann 1901a: 399 [Listed]  
*Clastoptera xanthocephala* Osborn 1901a: 36 [Listed]<sup>16</sup>  
*Clastoptera xanthocephala* Van Duzee 1903a: 111 [Described]<sup>17</sup>  
*Clastoptera xanthocephala* Snow 1904a: 349 [Listed]<sup>18</sup>  
*C[lastoptera] xanthocephala* Wirtner 1904a: 216 [Listed]<sup>1</sup>  
*Clastoptera xanthocephala* Crevecoeur 1905a: 235 [Ecology]<sup>19</sup>  
*Clastoptera xanthocephala* Van Duzee 1909a: 205 [Notes]<sup>11</sup>  
*C[lastoptera] xanthocephala* Smith 1910a: 99 [Listed]<sup>3</sup>  
*C[lastoptera] xanthocephala* Lallemand 1912a: 26 [Catalogued]<sup>20, 21</sup>  
*Clastoptera xanthocephala* Osborn 1912a: 27 [Predators]  
*[Clastoptera] xanthocephala* Van Duzee 1912a: 508 [Comparative note]  
*Clastoptera xanthocephala* Barber 1914a: 529 [Listed]<sup>11</sup>  
*Clastoptera xanthocephala* Metcalf 1915a: 48 (16) [Listed]<sup>22</sup>  
*Clastoptera xanthocephala* Osborn 1916b: 286 [Economics]<sup>23</sup> :287 [Listed]<sup>23</sup>  
*[Clastoptera] xanthocephala* Van Duzee 1916a: 58 [Listed]<sup>13, 24</sup>  
*Clastoptera xanthocephala* Van Duzee 1917b: 519 [Catalogued]<sup>1, 3, 4, 5, 6, 11, 17, 18, 22, 25, 26</sup>  
*[Clastoptera] xanthocephala* McAtee 1920b: 174 [Key] :176 [Key to varieties]  
*Clastoptera xanthocephala* Osborn 1921a: 5 [Listed]<sup>11</sup>  
*Clastoptera xanthocephala* Balduf 1923a: 166 [Listed]<sup>16</sup>  
*Clastoptera xonthocephola* Stearns 1923a: 231 [Key] :235; Figs. 20 (74-77) [Described, illustrated]

*Clastoptera xanthocephala* Ball 1927a: 105 [Key] :109 [Described, food plants]<sup>3, 4, 5, 11, 12, 14</sup>

*Clastoptera xanthocephala* Ball 1927b: 222, 224 [Notes] :224 Equals *Clastoptera minima* Fowl. [error]

*C[lastoptera] xanthocephala* Doering 1929a: 23, 31, 32, 44, 51, 54, 63, 77 [Comparative notes] :75; Pl. III, Fig. 7; Pl. VI, Fig. 4; Pl. X, Figs. 7, 11; Pl. XIV, Figs. 4, 10; Pl. XVIII, Fig. 1; Pl. XXII, Figs. 1, 1a; Pl. XXIV; Pl. XXVI, Figs. 3, 3a, 3b [Described, illustrated, catalogued]

[*Clastoptera*] *xanthocephala* Doering 1930b: 87 [Distribution, food plants]<sup>13, 27</sup>

*Clastoptera xanthocephala* Doering 1931a: 51 [Habits]<sup>8</sup>

*Clastoptera xanthocephala* Sherborn 1932a: 7013 [Catalogued]

*Clastoptera xanthocephala* Brimley 1938a: 87 [Listed]<sup>22</sup>

*Clastoptera xanthocephala* Glick 1939a: 25 [Ecology]<sup>8</sup>

[*Clastoptera*] *xanthocephala* Froeschner 1946a: 31 [Key] :34 [Notes, food plants]<sup>28</sup>

*Clastoptera xanthocephala* Deay, et al. 1955a: 33 [Listed]

LOCALITIES: <sup>1</sup> Pennsylvania. <sup>2</sup> Carolina. <sup>3</sup> New Jersey. <sup>4</sup> Mississippi. <sup>5</sup> Texas. <sup>6</sup> District of Columbia. <sup>7</sup> Arkansas. <sup>8</sup> Louisiana. <sup>9</sup> Maryland. <sup>10</sup> Virginia. <sup>11</sup> Florida. <sup>12</sup> Iowa. <sup>13</sup> Southern States. <sup>14</sup> Mexico. <sup>15</sup> Vera Cruz. <sup>16</sup> Ohio. <sup>17</sup> New Mexico. <sup>18</sup> Arizona. <sup>19</sup> Kansas. <sup>20</sup> United States. <sup>21</sup> North America. <sup>22</sup> North Carolina. <sup>23</sup> Maine. <sup>24</sup> Eastern States. <sup>25</sup> Georgia. <sup>26</sup> Alabama. <sup>27</sup> Central States. <sup>28</sup> Missouri.

*xanthocephala* var. *a* Ball. See *Clastoptera xanthocephala* var. *xanthocephala* Germar.

*xanthocephala* var. *b* Ball. See *Clastoptera xanthocephala* var. *unicolor* Fowler.

*xanthocephala* var. *bimaculata* Baker. See *Clastoptera bimaculata* Baker.

*xanthocephala* var. *compta* Fowler. See *Clastoptera compta* Fowler.

*xanthocephala* var. *femoralis* Stål. See *Clastoptera femoralis* Stål.

*xanthocephala* var. *glauca* Heidemann. See *Clastoptera xanthocephala* var. *unicolor* Fowler.

*xanthocephala* var. *irrorata* Fowler. See *Clastoptera irrorata* Fowler.

*xanthocephala* var. *rufescens* Fowler. See *Clastoptera rufescens* Fowler.

*xanthocephala* var. *secunda* Berg. See *Clastoptera secunda* Berg.

***xanthocephala* var. *unicolor* Fowler**

*Clastoptera xanthocephala* var. *b* Ball 1896a: 188 [n. var.]

*Clastoptera unicolor* Fowler 1898a: 205; Pl. 12, Fig. 29 [n. sp., illustrated]<sup>1, 2, 3</sup>

*Clastoptera xanthocephala glauca* Heidemann 1901a: 399; Pl. VI [n. var., life history, illustrated]<sup>4</sup>

*Clastoptera unicolor* Lallemand 1912a: 26 [Catalogued]<sup>5</sup>

*Clastoptera xanthocephala glauca* Van Duzee 1912a: 508 [n. var.]

*Clastoptera xanthocephala glauca* Barber 1914a: 530 [Listed]<sup>6</sup>

- [*Clastoptera*] (?) *unicolor* Van Duzee 1916a: 58 [Listed]<sup>7</sup> Equals  
 [*Clastoptera*] *arkansascensis* Fitch [nom. nud.]  
 [*Clastoptera xanthocephala*] *glauca* Van Duzee 1916a: 58 [Listed]  
*Clastoptera unicolor* Van Duzee 1917b: 520 [Catalogued]<sup>1, 5, 8</sup> Equals  
 [*Clastoptera*] *arkansascensis* Fitch (nom. nud.)  
 [*Clastoptera xanthocephala*] *glauca* Van Duzee 1917b: 519 [Catalogued]<sup>4, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17</sup>  
*Clastoptera xanthocephala glauca* McAtee 1920b: 173 [Notes] :176  
 [Key]<sup>21</sup>  
*Clastoptera xanthocephala glauca* Osborn 1921a: 5 [Listed]<sup>6</sup>  
*Clastoptera xanthocephala glauca* Stearns 1923a: 235 [Described]<sup>4, 6, 9, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28</sup>  
*Clastoptera xanthocephala unicolor* Ball 1927a: 109 [Described]<sup>1, 25</sup>  
 Equals *Clastoptera xanthocephala glauca* Heid. Equals *Clastoptera unicolor* Fowl.  
 [*Clastoptera*] *glauca* Ball 1927a: 109 [Comparative notes]  
*Clastoptera unicolor* Ball 1927b: 224 [Notes]  
*Clastoptera xanthocephala unicolor* Ball 1927b: 224 [Notes] Equals  
 [*Clastoptera xanthocephala*] *glauca* Equals *Clastoptera unicolor* Fowl.  
*Clastoptera xanthocephala unicolor* Doering 1929a: 19 [Key] :77; Pl. II [Described, illustrated, catalogued]<sup>1, 2, 3, 4, 6, 12, 13, 14, 16, 17, 21, 23, 25, 27, 28, 29, 30</sup> :77 Equals *Clastoptera xanthocephala glauca* Heid.  
 Equals *Clastoptera unicolor* Fowl.  
*Clastoptera xanthocephala unicolor* Doering 1930a: 84 [Key]  
*Clastoptera xanthocephala unicolor* Brimley 1938a: 87 [Listed]<sup>11</sup>  
*Clastoptera xanthocephala unicolor* Glick 1939a: 25 [Ecology]<sup>23</sup>  
*Clastoptera xanthocephala glauca* Essig and Usinger 1940a: 163 [Catalogued]  
 [*Clastoptera*] *xanthocephala unicolor* Doering 1941c: 132 [Key]  
*Clastoptera xanthocephala unicolor* Doering 1942a: 68, 71 [Food plants]  
*Clastoptera xanthocephala unicolor* Doering 1942b: 75, 87 [Food plants]  
*Clastoptera xanthocephala unicolor* Dowdy 1951a: 50 [Ecology]<sup>31</sup>  
 LOCALITIES: <sup>1</sup> Mexico. <sup>2</sup> Vera Cruz. <sup>3</sup> Guatemala. <sup>4</sup> District of Columbia. <sup>5</sup> Central America. <sup>6</sup> Florida. <sup>7</sup> Southwestern States. <sup>8</sup> Arkansas (?). <sup>9</sup> Pennsylvania. <sup>10</sup> New Jersey. <sup>11</sup> North Carolina. <sup>12</sup> Georgia. <sup>13</sup> Alabama. <sup>14</sup> Mississippi. <sup>15</sup> New Mexico. <sup>16</sup> Texas. <sup>17</sup> Arizona. <sup>18</sup> Massachusetts. <sup>19</sup> Tennessee. <sup>20</sup> South Carolina. <sup>21</sup> Maryland. <sup>22</sup> Ohio. <sup>23</sup> Louisiana. <sup>24</sup> Indian Territory. <sup>25</sup> Arkansas. <sup>26</sup> Maine. <sup>27</sup> Virginia. <sup>28</sup> Iowa. <sup>29</sup> Kansas. <sup>30</sup> Kentucky. <sup>31</sup> Missouri.

**xanthocephala** var. **xanthocephala** Germar

- Clastoptera xanthocephala* var. *a* Ball 1896a: 188 [n. var.]  
*Clastoptera xanthocephala xanthocephala* McAtee 1920b: 176 [Key]<sup>1</sup>  
*Clastoptera xanthocephala xanthocephala* Ball 1927a: 109 [Described, comparative note]

*C[lastoptera] xanthocephala xanthocephala* Doering 1929a: 19 [Key] :76;  
Pl. II [Described, illustrated]<sup>1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,</sup>  
<sup>17, 18, 19, 20, 21, 22, 23</sup>

*Clastoptera xanthocephala xanthocephala* Doering 1930b: 84 [Key]

[*Clastoptera*] *xanthocephala xanthocephala* Doering 1941e: 132 [Key]

*Clastoptera xanthocephala xanthocephala* Doering 1942a: 67, 68 [Food  
plants]

*Clastoptera xanthocephala xanthocephala* Doering 1942b: 75, 78, 79  
[Food plants]

LOCALITIES: <sup>1</sup> Maryland. <sup>2</sup> Alabama. <sup>3</sup> Arkansas. <sup>4</sup> Arizona. <sup>5</sup> California. <sup>6</sup> Colo-  
rado. <sup>7</sup> Florida. <sup>8</sup> Georgia. <sup>9</sup> Iowa. <sup>10</sup> Kansas. <sup>11</sup> Louisiana. <sup>12</sup> Maine. <sup>13</sup> Massa-  
chusetts. <sup>14</sup> Mississippi. <sup>15</sup> New Jersey. <sup>16</sup> New Mexico. <sup>17</sup> North Carolina.  
<sup>18</sup> Ohio. <sup>19</sup> Pennsylvania. <sup>20</sup> South Carolina. <sup>21</sup> Tennessee. <sup>22</sup> Texas. <sup>23</sup> District  
of Columbia.

## GENERIC AND SPECIFIC SYNONYMY

### Genus **Castoptera**

*Castoptera*. Typographical error for *Clastoptera* Germar.

### Genus **Claptostella**

*Claptostella*. Typographical error for *Clastoptera* Germar.

### Genus **Clasptoptera**

*Clasptoptera*. Typographical error for *Clastoptera* Germar.

### Genus **Clastopera**

*Clastopera*. Typographical error for *Clastoptera* Germar.

### Genus **Clastopetera**

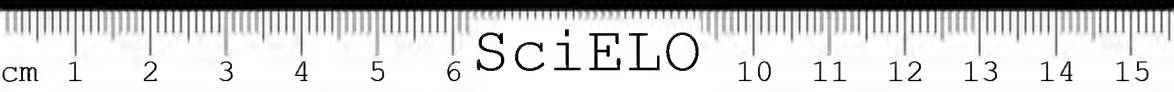
*Clastopetera*. Typographical error for *Clastoptera* Germar.

### Genus **Clestoptera**

*Clestoptera*. Typographical error for *Clastoptera* Germar.

### Genus **Clostoptera**

*Clostoptera*. Typographical error for *Clastoptera* Germar.

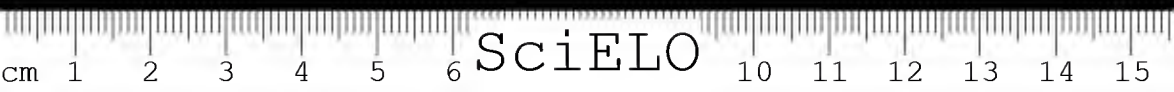


## INDEX OF GENERA AND HIGHER GROUPS

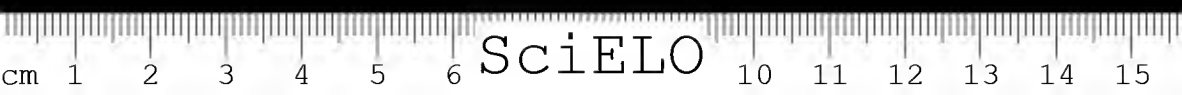
Clastoptera Germar.....	2
CLASTOPTERIDAE .....	1
CLASTOPTERINI .....	2
Iba Schmidt.....	1
IBAINI .....	1



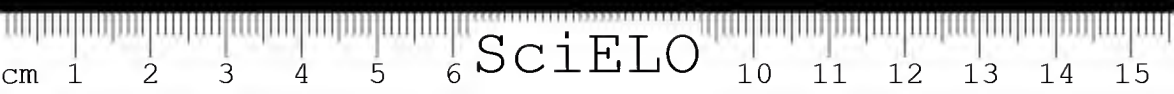




SciELO



SciELO



cm

1

2

3

4

5

6

SciELO

10

11

12

13

14

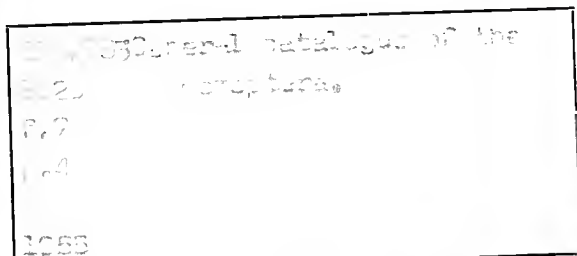
15

## GENERAL CATALOGUE OF THE HEMIPTERA

Published in independent fascicles, each containing a family treated by a recognized specialist. Orders for single fascicles should be sent to the Librarian's Office, Smith College, Northampton, Mass., U. S. A.

*The part*

Fasc. I. Men		ce \$3.50.
Fasc. II. Me		
Fasc. III. Py		144 pp.
Price \$1.		
Fasc. IV. Fu		lf, 1932,
74 pp. Pi		
Fasc. IV. Fu		274 pp.
Price \$2.		
Fasc. IV.		. Met-
calf, 1		
Fasc. IV. I		plidae,
and 7.		75.
Fasc. IV.		, 1946,
250 pp		
Fasc. IV. I		80 pp.
Price \$		
Fasc. IV. I		85 pp.
Price \$		
Fasc. V. Po		\$0.60.



S A Í D A

ENTRAD A

595.755

3325

F.7

p.4

## GENERAL CATALOGUE OF THE HOMOPTERA

Published in independent parts, each containing one or more families. Orders for single fascicles or parts and subscriptions to the whole should be sent to Bibliography-Entomology, North Carolina State College, Box 5215, Raleigh, N. C., U. S. A.

*The parts already published are as follows:*

- Fasc. IV. Fulgoroidea, Part 11. Tropiduchidae, by Z. P. Metcalf, 1954, 176 pp. Price \$1.75.
- Fasc. IV. Fulgoroidea, Part 12. Nogodinidae, by Z. P. Metcalf, 1954, 84 pp. Price \$1.00.
- Fasc. IV. Fulgoroidea, Part 13. Flatidae and Hypochthonellidae, by Z. P. Metcalf, 1957, 574 pp. Price \$9.50.
- Fasc. IV. Fulgoroidea, Part 14. Acanaloniidae, by Z. P. Metcalf, 1954, 64 pp. Price \$1.00.
- Fasc. IV. Fulgoroidea, Part 15. Issidae, by Z. P. Metcalf, 1958, 570 pp. Price \$9.50.
- Fasc. IV. Fulgoroidea, Part 16. Ricaniidae, by Z. P. Metcalf, 1955, 208 pp. Price \$2.25.
- Fasc. IV. Fulgoroidea, Part 17. Lophopidae, by Z. P. Metcalf, 1955, 84 pp. Price \$1.00.
- Fasc. IV. Fulgoroidea, Part 18. Eurybrachidae and Gengidae, by Z. P. Metcalf, 1956, 90 pp. Price \$1.00.
- Fasc. IV. Fulgoroidea, Species Index, 1960, 80 pp. Price \$1.50.
- Fasc. VII. Cercopoidea. A Bibliography of the Cercopoidea, by Z. P. Metcalf, 1960, 266 pp. Price \$4.00.
- Fasc. VII. Cercopoidea, Part 1. Machaerotidae, by Z. P. Metcalf, 1960, 56 pp. Price \$1.00.
- Fasc. VII. Cercopoidea, Part 2. Cercopidae, by Z. P. Metcalf, 1961, 616 pp. Price \$10.00.
- Fasc. VII. Cercopoidea, Part 3. Aphrophoridae, by Z. P. Metcalf, 1962, 608 pp. Price \$10.00.
- Fasc. VII. Cercopoidea, Part 4. Clastopteridae, by Z. P. Metcalf, 1962, 66 pp. Price \$1.50.